
STEEL ^{AND} BRONZE

INTERIOR EQUIPMENT



FOR
BANKS, PUBLIC BUILDINGS
LIBRARIES AND HOSPITALS

ART METAL CONSTRUCTION COMPANY •

JAMESTOWN, NEW YORK, U. S. A. AND LONDON, ENGLAND

ART METAL BUILT-TO-ORDER WORK

Art Metal maintains a large engineering force for the designing and detailing of interior equipment in steel, bronze and other metals. The following list will

convey some idea of what can be furnished in Art Metal. We shall be pleased to submit designs and estimates on anything in interior furnishings.

BANK EQUIPMENT—Pages 3 to 7

Counter Fronts
Counter Screens
Counters
Check Desks
Wickets and Grilles
Sign Plates

Currency Guards
Currency Cages
Coin Guards
Coin Trays
Partitions
Wainscoting

Rails and Gates
Doors
Cage Partition
Coupon and Phone Booths
Sorting Racks
Coin Trucks

Book Trucks
Omnibuses
Entrance, Vestibule, Elevator
and Interior Doors in
Bronze or Steel

PUBLIC BUILDING EQUIPMENT—Pages 8 and 9

Ballot Boxes
Jury Wheels
Counters

Counter Screens
Document Files

Roller Shelves
Office Partition

Entrance, Vestibule, Elevator
and Interior Doors in
Bronze or Steel

LIBRARY EQUIPMENT—Pages 10-24

Bracket Stacks
Standard Stacks
Floors
Stairs
Railing

Delivery Counters
Book Lifts
Window Guards
Magazine and Newspaper
Racks

Book Trucks
Folio Cases
Library Tables
Herbarium Cases
Insect Cases

Museum Cases
Flag Cases
Film Cases
Entrance, Vestibule, Elevator
and Interior Doors in
Bronze or Steel

HOSPITAL EQUIPMENT—Pages 25-27

Laboratories Fixtures
X-Ray Viewing and Storage
Cabinets
Instrument Cabinets
Special Gown Cabinets
Blanket Warmers
Lockers

Storage Shelving
Kitchen Equipments, including
Monel Metal Sinks, Drain
Boards, and Cabinets
Utensil Cabinets and Racks
Toy Cabinets

Suction and Pressure Gauge
Cabinets
Solution Warming Cabinets
Titration Tables
Bed Pan Racks
Dressers
Rubber Sheet Cabinets

Towel Warmers
Drying Racks and Cabinets
Fire Extinguisher Cabinets
Narcotic, Ether and Medicine
Cabinets
Partitions
Entrance, Vestibule, Elevator
and Interior Doors

HOLLOW METAL DOORS AND TRIM—See Manufacturers' Index

Base Mouldings
Buck
Casings

Cornice Moulding
Doors, Fire
Dumbwaiter Enclosures

Doors, Hollow Metal in
Bronze and Steel
Elevator Enclosures
Jambs

Picture Mouldings
Scribe Mouldings
Trim, Hollow Metal
Wire Moulding

SECTIONAL METAL OFFICE PARTITIONS—See Manufacturers' Index

Cornice Height

Vertical Unit Type
Railings

Grille

Wickets

ARCHITECTURAL BRONZE—See Manufacturers' Index

Bronze Wickets
Bronze Grilles

Bronze Counter Screen
Bronze Tablets

Bronze Doors (Cast)
Bronze Doors (Etched)

Bronze Doors (Welded)
Bronze Spandrels

MISCELLANEOUS

Book Cases
Bulletin Boards
Omnibuses
Revolving Cases
Stamp Cases
Plan Cases

Desks
Filing Cabinets
Fire Safes
Shelving
Map Racks
Lockers

Directors' Tables
Mailing Tables
Wardrobes
Tote Boxes
Film Cases
Laboratory Equipment

Kitchen Equipment
Bins
Factory Storage Racks
Factory Equipment,
Foremen's Desks, etc.

ART METAL CONSTRUCTION COMPANY

GENERAL OFFICES AND FACTORIES
JAMESTOWN, N. Y.

BRANCH OFFICES

ALBANY, N. Y., 100 State Street
BALTIMORE, MD., 124 West Fayette Street
BIRMINGHAM, ALA., 1825 Comer Building
BOSTON, MASS., 94 Federal Street
CHICAGO, ILL., 173 West Madison Street
CINCINNATI, OHIO, 503 Duttonhofer Building
CLEVELAND, OHIO, 901-902 National City Bank Building
DALLAS, TEX., 1704 Republic Bank Building
DETROIT, MICH., 1408 David Stott Building
HARTFORD, CONN., 75 Pearl Street
INDIANAPOLIS, IND., 3536 Meridian Street
JACKSONVILLE, FLA., 519 Barnett Natl. Bank Building
KANSAS CITY, MO., 110 Scarritt Building

LOS ANGELES, CALIF., 608 Builders Exchange Building
MEMPHIS, TENN., 1759 Glenview Ave.
MINNEAPOLIS, MINN., 1441 Northwestern Natl. Bank Building
NEW YORK, N. Y., 369 Broadway
25 West 43rd Street
PHILADELPHIA, PA., Ninth and Sansom Streets
PITTSBURGH, PA., 315 Oliver Building
PORTLAND, ME., 33 Exchange Street
SEATTLE, WASH., 310 Columbia Street
ST. LOUIS, MO., 620-622 Arcade Building
ST. PAUL, MINN., 310 Cedar Street
SYRACUSE, N. Y., 119 Niven Street
WASHINGTON, D. C., 301 Southern Building

LONDON, ENGLAND, 199-203 Buckingham Palace Road

ART METAL EQUIPMENT FOR BANKS

Specialists in Bank Equipment

For over forty years ART METAL CONSTRUCTION COMPANY has assisted architects, bankers and public officials in arranging and decorating banks and buildings. Practically every city in America does its banking in one or more institutions in which the steel equipment and bronze grilles, doorways and furniture were produced by the ART METAL CONSTRUCTION COMPANY. One bank in every four has Art Metal furnishings. This vast experience of the Art Metal engineers and

designers in building metal equipment for bank interiors is available to every architect.

Art Metal equipment for banks includes the following: Bronze entrance and vestibule doors; elevator enclosures; check desks, counter screens; wicket and vault grilles; cage partitions; bank counters, filing equipment; bookkeeping desks; savings ledger desks; desks for officers' use; coupon booths, etc.

BANK SCREENS AND COUNTERS

Counter Screens

The ART METAL CONSTRUCTION COMPANY has produced every style of bank equipment for every size and kind of bank from the large metropolitan banking institutions to the modest rooms of banks in small communities all over the country.

While the style of this equipment is largely one of individual taste the modern trend is away from the high, massive screen towards the low one which gives a more open, airy effect, enhancing the architectural design and decorative details of the banking room. In some instances the screen above the counter is entirely eliminated. Art Metal counter screens are composite fixtures built with metal or marble front, harmonizing in material and finish with the architectural scheme.

When desired, ART METAL CONSTRUCTION COMPANY will handle the entire work including the marble base although they prefer to do only the metal work, placing it on marble or other base after it has been finished by others.

A Type of Counter for Every Need

ART METAL CONSTRUCTION COMPANY makes two general types of counters: the usual flat or slope top counters and the counter provided with a metal roll top which can be readily closed, protecting everything on the counter when the teller is temporarily absent. The space below the counter may be left open or may be fitted with drawers, cupboards, roller shelves or any style of filing devices, which can be covered with doors or curtains if desired. Both types of counter with different bases are shown in detail on page 4 and illustrated on page 5.

Teller's Cages

The open effect of the low screens is in keeping with the modern practice towards the elimination of cages. Sometimes the

tellers' desks are separated by counters which provide additional working space. Where cages are desired there are many types. They may be of metal panels as high as the counter with glass or rails above. A metal lattice or a perforated metal grille may be used in the lower portion to afford ventilation. A few types are illustrated on pages 4 and 5 but variations are almost endless.

Co-operation with Architects Insures Individuality

Working from blue prints of the floor plans, Art Metal engineers will be glad to submit modern layouts of counter equipment and cages for the most efficient conduct of the work of the bank. This is done after consultation with the architect and banking officials and a determination of the particular requirements.

Architectural individuality is obtained by Art Metal designers working with the architect and carefully modelling the details from his designs. All work is individually prepared and carefully executed for each important contract. Bronze is finished with cutting tools, chisels, files and gravers. Often the natural skin of the metal solidified in contact with the mould is preserved. Then again it is carved and chased, beaten, wrought and embossed.

It has been our good fortune to visualize in bronze and steel the designs of the most eminent architects. The interior of an Art Metal bank is remembered for its genuineness, dignity and all-pervading refinements.

Bronze and Aluminum Produced by Skilled Artisans Using Modern Equipment

ART METAL CONSTRUCTION COMPANY has unsurpassed facilities for the production of wrought or ornamental cast bronze work of highest quality. The uniform quality of Art Metal bronze is insured by the most modern equipment and by constant laboratory tests.



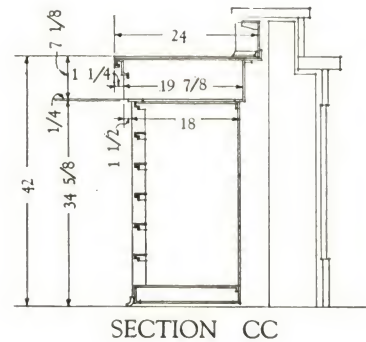
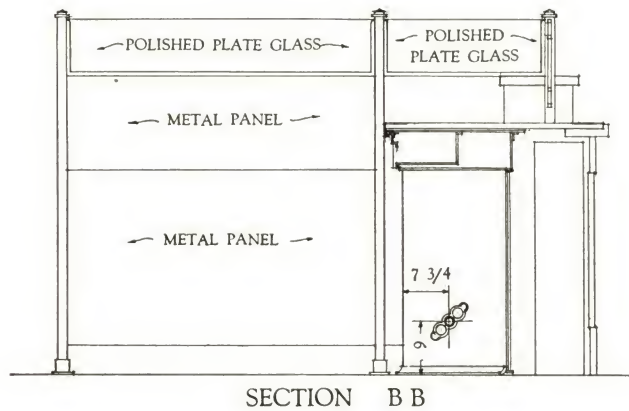
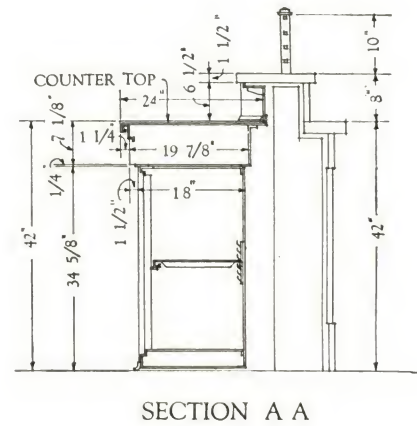
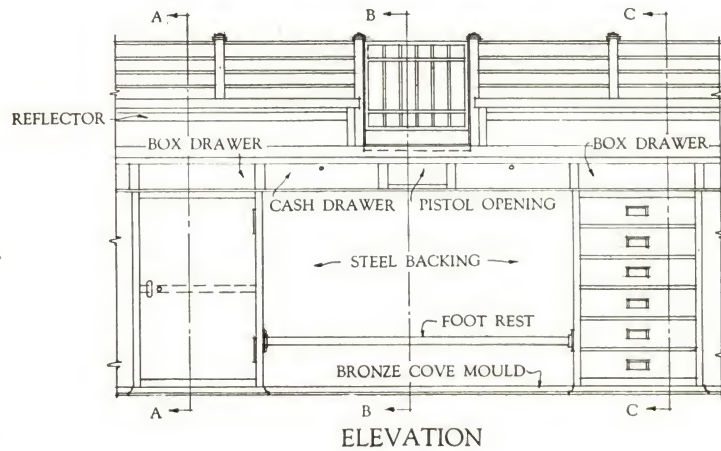
CENTRAL NATIONAL BANK, BATTLE CREEK, MICH.

One side of banking room from balcony showing Art Metal Equipment

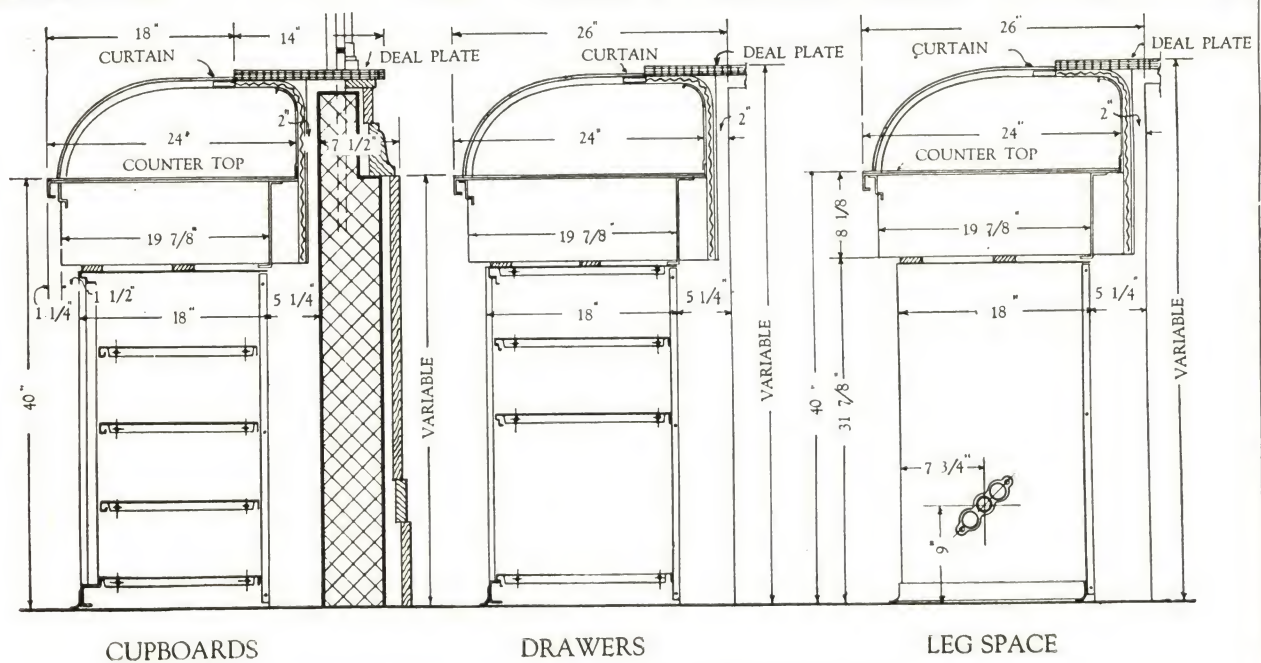
ART METAL



BANK COUNTERS



DETAILS OF TYPICAL COUNTER AND CAGE PARTITION



DETAILS OF TYPICAL COUNTER WITH ROLL TOP

COUNTERS AND TELLERS' CAGES

Special Designs

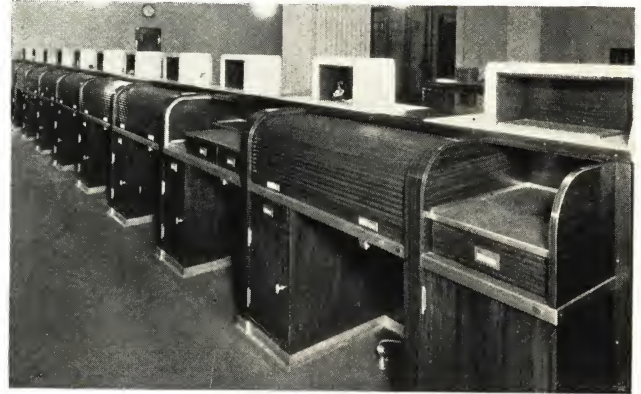
Most of the work of the ART METAL CONSTRUCTION COMPANY consists of executing the details of the architects' special designs. This individuality lends dignity and refinement to any bank installation.



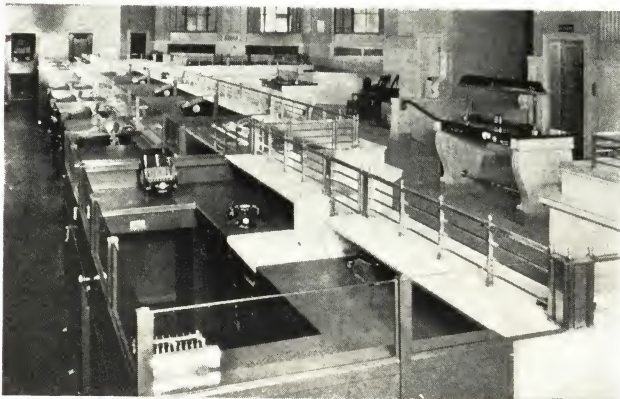
STRAIGHT COUNTER WITH MEDIUM HEIGHT SCREEN
Union and Peoples National Bank, Jackson, Mich.
ALBERT KAHN, INC., Architects

Stock Designs

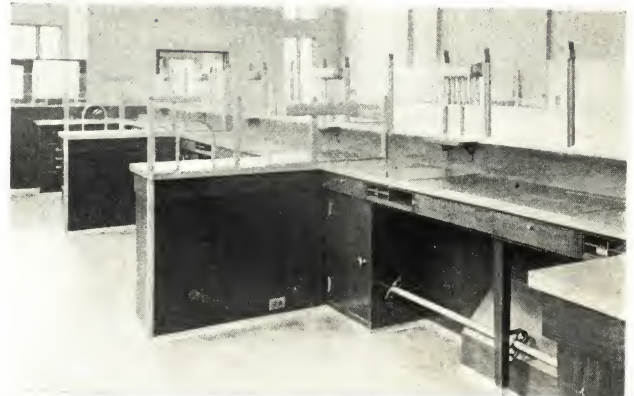
Where cost is a consideration ART METAL CONSTRUCTION COMPANY has a wide range of stock designs which may be combined to produce a most attractive interior effect at a minimum of expense.



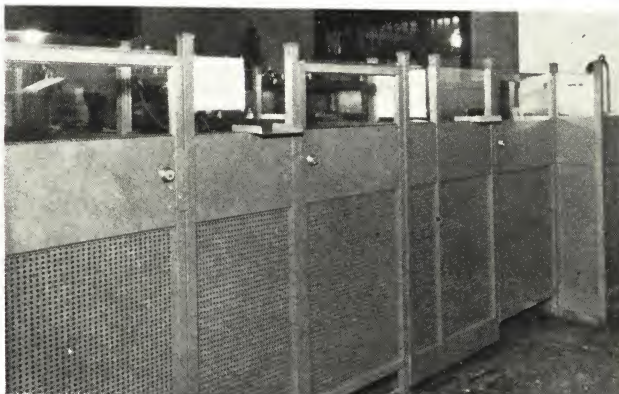
ROLL TOP TELLER'S COUNTER
Northwestern National Bank, Minneapolis, Minn.
GRAHAM, ANDERSON, PROBST & WHITE, Architects



REAR COUNTER AND CAGE PARTITIONS WITH NEW TYPE LOW FRIENDLY SCREEN
Monongahela National Bank, Pittsburgh, Pa.
EDWARD STOTZ, Architect



STEEL COUNTERS—BRONZE TOP SCREEN—AND DOUBLE INSULATED STEEL PARTITIONS
First National Bank, Salem, Ohio
THE OWSLEY CO., Architects



LOW TYPE REAR PARTITION WITH PERFORATED STEEL PANELS
Bank of Kalamazoo, Kalamazoo, Mich.
WEARY & ALFORD, Architects



LOW CAGE WITH GLASS AND MESH PANELS BELOW
Logan Trust Co., New Kensington, Pa.
P. R. L. HOGNER, Architect

SPECIAL EQUIPMENT FOR BANKS

ART METAL CONSTRUCTION COMPANY builds steel equipment which includes every item used in a bank, office or public building, from desk tray and waste basket to officers' desks and fire resisting record safes. In filing devices, all forms and sizes to take every standard size record in use are manufactured.

Any requirement in desks, vault trucks, steel safes and filing devices which cannot be filled from stock can be met in our fa-

cilities for built-to-order work.

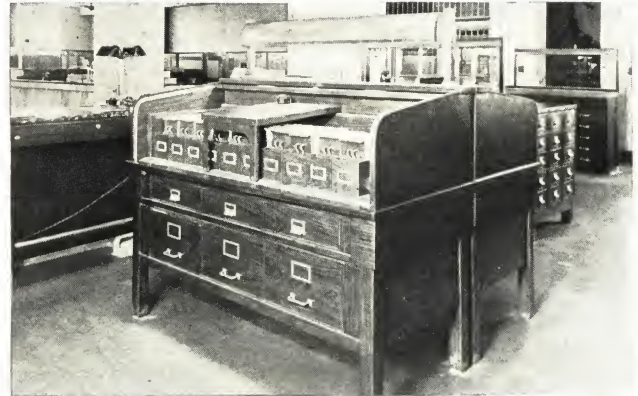
On this page are illustrated some of the special equipment designed and built by Art Metal to facilitate the rapid and efficient handling of the large volume of work in some of the largest banks in the country. Art Metal engineers will gladly consult with architects and bank officials regarding special equipment which will assist them in handling their problems most efficiently.



VENTILATED MONEY COUNTING DESKS
Foreman-State National Bank, Chicago, Ill.
GRAHAM, ANDERSON, PROBST & WHITE, Architects



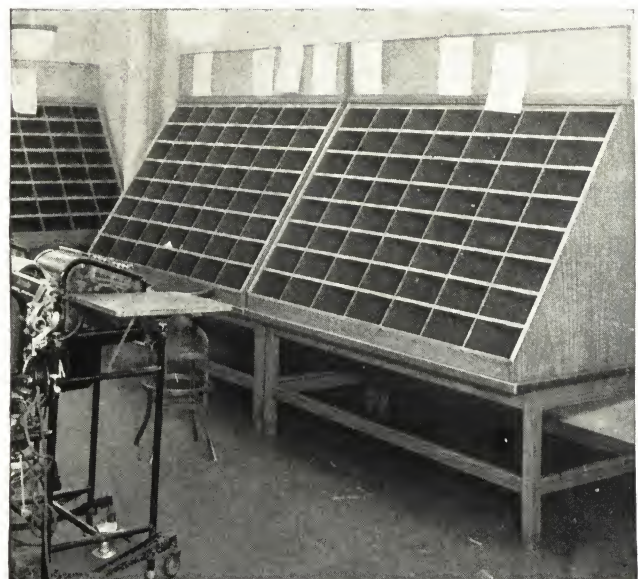
BOOKKEEPING DESKS WITH STATIONARY STORAGE BINS AT ENDS
Chase National Bank, New York, N. Y.
GRAHAM, ANDERSON, PROBST & WHITE, Architects



SAVINGS CARD LEDGER DESKS
City National Bank & Trust Co., Battle Creek, Mich.
C. C. HENDERSON, Architect



CHECK SORTING DESKS WITH RELEASES TO PROVIDE FLAT WORKING SURFACE
Chase National Bank, New York, N. Y.
GRAHAM, ANDERSON, PROBST & WHITE, Architects



DOCUMENT SORTING BINS
Foreman-State National Bank, Chicago, Ill.
GRAHAM, ANDERSON, PROBST & WHITE, Architects

SPECIFICATIONS FOR BANK COUNTERS AND EQUIPMENT

Counter Work

Pedestals—See pedestal specifications.

Knee Space Panels—To be made of No. 18 gauge steel with $\frac{1}{2}$ in. adjustment and No. 18 gauge adjustment strip at bottom. Bronze cove mould will be furnished in place of adjustment strip at bottom at extra cost if so desired.

Legs—To be of No. 18 gauge steel formed up square and tapered, with corners welded, or of 2-in. sq. tubing of No. 16 gauge if so desired. Bottom of leg to be fitted with bronze foot of suitable design and equipped with adjustable bolt at bottom.

Front Aprons—To be made of No. 13 gauge steel formed at right angle at top and zee section at bottom for strength and to form strike for drawer. Front to be reinforced by heavy steel bar which extends from end to end of counter and is securely bolted to lower flanges of uprights.

Rear Aprons—To be made of No. 13 gauge steel formed at right angle at top, with knee space panel screwed to bottom.

Drawer Uprights—To be of No. 18 gauge steel flanged all around and securely welded to top, front and rear aprons.

Pistol Openings—To be made with bottom and back in one piece of No. 20 gauge steel.

Top—To be of No. 14 gauge steel, reinforced as necessary, all exposed edges formed into a channel section and all corners rounded to a $\frac{3}{8}$ -in. radius. Top to be covered with the best grade linoleum .119 in. thick, color green, securely cemented to steel with edges bound by bronze binding secured to top with concealed screws. When deal plates are required, same will be recessed flush with top.

Cupboard and Pedestal (Hinge Doors)—Single Wall Construction

Ends and Backs—Forming shell or jacket with an area of 1,500 sq. in. or less for any one surface when formed up shall be made of No. 18 gauge steel; for larger surfaces No. 16 gauge steel shall be used. Front edges of uprights to be formed into a channel section with a 1 in. flat face. Top and bottom edges to be flanged or stiffened by angles electro-welded to same. Strikes for doors to be formed $\frac{1}{8}$ in. high on return flange of uprights, and perforations for shelf adjustment 1 in. centers to be made in inturned flange. Large ends to be reinforced as necessary.

All pedestals under counters to be built with $\frac{1}{2}$ in. adjustment at bottom and with an 18-gauge steel adjustment strip running all around at floor.

Bronze cove mould will be furnished in place of adjustment strip at bottom at extra cost if so desired.

Bottom Plate—To be made of No. 18 or No. 16 gauge steel, depending on size, to be formed with offset at front for door strike. Bottom plate to form base at front.

Plain Shelves—To be made of No. 18 gauge steel front formed into a box channel section with a $\frac{3}{4}$ -in. flat face, end and back to be flanged down. Bracket adjustment to be used at

front. Rear of shelf to be hung on adjustment strips with lugs formed at intervals of 1 in.

Doors—Up to and including 21x36 in. to be made of No. 11 gauge steel. Doors over 36 in. high and up to and including 48 in. high to be made of No. 8 gauge steel. Over 48 in. high, doors to be made of No. 20 gauge steel formed up with stiles and rails $\frac{3}{4}$ in. thick to be flush outside. Doors over 20x60 in. to be reinforced with channel section. Doors to be hung on heavy wrought hinges.

Door Knobs—To be of solid cast bronze and arranged to operate a steel latch to which up and down bolts are attached when doors are in pairs or are over 18 in. high, thus holding doors securely at top and bottom when locked. When locks are specified Yale locks shall be used and lock bolt is to engage latch on door when in locked position.

Top Plates—To be of such gauge sufficiently reinforced to carry superimposed loads. Both top and bottom plates to be securely welded in place except in large cases where knock-down construction is essential.

Cupboard and Pedestal (Hinge Doors)—Double Wall Construction

Inside Uprights—To be made of No. 20 or No. 18 gauge steel, depending on size, to be flanged at rear and with Z-shape formation at front for additional strength. These uprights to be perforated for adjustment 1 in. on centers. Bracket adjustment to be used at front. Rear of shelf to be hung on adjustment strips with lugs formed at intervals of 1 in.

Drawer Pedestal

Drawer pedestals shall be made with gauges the same and with construction very similar to pedestal construction described above with drawer strikes at proper intervals.

Drawer Construction

Outside Head—To be flat. Edges to be formed into a $\frac{1}{8}$ -in. box channel section with back turned flanges at sides and bottom and welded through these flanges to body. Top corners to be oxyacetylene welded to prevent opening of joints and all corners ground to a slight radius to eliminate sharp corners. Outside head with an area up to and including 130 sq. in. to be of No. 22 gauge, no reinforcement; over 130 sq. in. up to and including 198 sq. in., No. 22 gauge reinforced; above 198 sq. in., No. 20 gauge reinforced.

Inside Heads—To be of No. 24 gauge steel, formed or flanged on all edges, to be slipped into place after hardware has been applied. Approximately $\frac{1}{2}$ in. dead air space to be left between heads as a fire resistant.

Bodies—Sides bent up at right angles to bottom with top edges formed into a $\frac{1}{8}$ -in. sq. tubing section and rear edges flanged and electro-welded to back. Bodies up to and including 20x4 $\frac{1}{2}$ in. or equivalent area to be made of No. 24 gauge steel. Above this size No. 22 gauge shall be used.

Backs—To be made of No. 18 gauge steel.

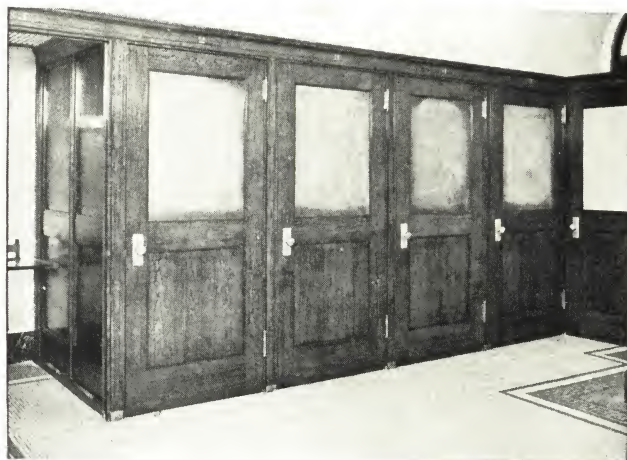
Hardware—To be of design shown on drawings and securely fastened through outside heads. Where drawings so indicate, drawers in standing desks, tables and counters are to be constructed to pull out by reaching under head, eliminating projecting pulls. Where specified, locks shall be recessed into inside head, leaving inside of drawer smooth.

Suspensions—Drawers will be equipped with channel suspension, progressive suspension or Amco suspension, as requested.

ART METAL COUPON BOOTHS

ART METAL CONSTRUCTION COMPANY supplies coupon booths made to special design to fit the space available or assembles them, using standard partition

units as illustrated in the partition section. (See Art Metal in the Manufacturers' Index.)



COUPON BOOTHS MADE FROM STOCK PARTITION
Schenectady Savings Bank, Schenectady, N. Y.
RODMAN L. NICHOLS, Architect



COUPON BOOTHS SPECIALLY BUILT
Industrial Trust Co., Pawtucket, R. I.
THOMAS M. JAMES CO., Architects

ART METAL EQUIPMENT FOR PUBLIC BUILDINGS

Furnishings for public buildings have long formed an important part of Art Metal production. Throughout the country, government and state buildings, city halls, court houses, county clerks' offices, etc., are completely equipped with Art Metal products.

This equipment includes counters with or without files, cupboards or drawers below, document files, roller shelving for large record books, plan files, safes, desks, etc., down to letter trays and waste baskets.

Constructed of High Grade Steel

Public building equipment is nearly always of steel. This insures long life under the extremely hard wear to which such equipment is subjected and also reduces the hazards of fire.

The sheet steel used in all Art Metal products is a high grade stock especially made for the product. Re-annealed to withstand sharp bending. It is patent leveled, full pickled to remove scale and all impurities, resquared and finally oiled to prevent rusting.

After fabrication the units are carefully filled and finished using slow-baking enamel or lacquers which have been developed through long years of testing and experience. The finish will never chip, flake or peel.

Cooperative Service

Art Metal engineers will gladly consult with architects and public officials and after ascertaining the requirements, will submit layout to care for the records most efficiently.



TREASURER'S OFFICE, DAVIESS COUNTY COURT HOUSE, WASHINGTON, IND.

Counter with low glass screen, bronze wickets, counter high safe and special counter equipment



RECORD OFFICE, CITY OF NORFOLK, VA.

Document files, roller shelving and table



OFFICE AND RECORD ROOM, PROBATE COURT, HAMILTON COUNTY COURT HOUSE, CINCINNATI, OHIO

Counters, roller shelving, table and desks



CLERK OF COURTS INDEX ROOM, HAMILTON COUNTY COURT HOUSE, CINCINNATI, OHIO

Roller shelving, files and desks



NEW YORK COUNTY COURT HOUSE, NEW YORK, N. Y.

Counter with cupboards and drawers below
GUY LOWELL, Architect

SELECTIONS FROM LIST OF ART METAL INSTALLATIONS

Bank Equipment

CITY	INSTALLATION	ARCHITECT	CITY	INSTALLATION	ARCHITECT
Mobile	ALABAMA Merchants National Bank	Warren, Knight & Davis	Omaha	NEBRASKA Federal Reserve Bank	Graham, Anderson Probst & White
Sacramento San Francisco	CALIFORNIA California National Bank Bank of California		Atlantic City Newark	NEW JERSEY Marine Trust Company Hudson Trust Company	
Bristol Waterbury	CONNECTICUT City Deposit & Discount Co. Central Industrial Bank	J. Smith Flannegan W. G. Hunt	Albany Buffalo Buffalo New York	NEW YORK National Commercial Bk. & Trust Federal Reserve Bank Marine Trust Company Chase National Bank	York & Sawyer F. J. & W. A. Kidd Graham, Anderson Probst & White Trowbridge & Livingston
Washington	DISTRICT OF COLUMBIA Bank of Commerce & Savings	Milburn, Heister & Co.	New York	Equitable Trust Company	
Miami	FLORIDA Meyer-Kiser Bank	Hampton & Ehmann	New York Rochester	Federal Reserve Bank Mechanics Savings Bank	
Atlanta	GEORGIA First National Bank	Pringle & Smith	Raleigh	NORTH CAROLINA Wachovia Bank & Trust Co.	
Boise	IDAHO First National Bank	Tourtellotte & Jume	Fargo	NORTH DAKOTA First National Bank	Keith & Kurke
Chicago	ILLINOIS Continental Illinois Bank & Trust Co.	Graham, Anderson Probst & White	Cincinnati Cleveland Columbus Youngstown	OHIO Provident Sav. Bk. & Tr. Co. Federal Reserve Bank First Citizens Trust Co. Peoples National Bank	D. Riebel & Sons Charles W. Bates
Chicago	Federal Reserve Bank				
Chicago	Lincoln Trust & Savings Bank	Hall, Lawrence, Rippe & Radcliffe			
Fort Wayne	INDIANA First National Bank	Charles R. Weatherhogg			
Indianapolis	Meyer-Kiser Bank		Allentown Harrisburg Homestead Philadelphia Pittsburgh Pittsburgh Wilkes-Barre	PENNSYLVANIA Allentown National Bank Union Trust Co. Monongahela Trust Co. Toland Trimble Co. Exchange National Bank Union Trust Co. Wyoming National Bank	Ruhe & Lange Walter W. Whitman Hopkins & Dentz C. A. Ziegler Weary & Alford Thomas A. Foster
Kansas City	KANSAS Home State Bank		Providence	RHODE ISLAND Providence National Bank	Howe & Church
Louisville	KENTUCKY Citizens Union National Bank		Chattanooga	TENNESSEE Am. Trust & Banking Co.	K. M. Vitzthum & Co., Inc. R. H. Hunt Co. Hanker & Cairns
New Orleans	LOUISIANA American Bank Building	Moise H. Goldstein	Chattanooga Memphis	Chattanooga Sav. & Tr. Co. Bank of Commerce & Trust Co.	
Portland	MAINE Portland Morris Plan Bank	F. W. Cunningham & Sons	Dallas Fort Worth Houston Houston San Antonio	TEXAS National Bank of Commerce Continental National Bank Federal Reserve Bank Houston National Bank Federal Reserve Bank	Wyatt C. Hedrick R. M. & A. B. Ayres
Baltimore Brunswick	MARYLAND Century Trust Co. Peoples National Bank	Robert L. Harris	Norfolk	VIRGINIA Trust Co. of Norfolk	
Boston Boston Lawrence Lowell Springfield	MASSACHUSETTS Federal Reserve Bank National Shawmut Bank Lawrence Savings Bank City Institution of Savings Union Bank & Trust Co.	Thomas M. James Co. Joseph E. Allen Harry Prescott Graves M. H. Westhoff	Salt Lake City	UTAH Federal Reserve Bank	
Detroit Flint Jackson Saginaw	MICHIGAN Gurdian Detroit Bank First National Bank Union National Bank Bank of Saginaw	J. W. Cook Corp. Albert Kahn, Inc. Albert Kahn, Inc.	Seattle Tacoma	WASHINGTON National Bank of Commerce National Bank of Tacoma	Doyle & Merriam
St. Paul	MINNESOTA State Savings Bank	Toltz, King & Day	Charleston	WEST VIRGINIA Kanawha Valley Bank	Alfred C. Bossom
Jackson Meridian	MISSISSIPPI Merchants Bank & Trust Co. Merchants' & Farmers' Bank	W. C. Hedrick	Montreal	CANADA Royal Bank of Canada	
Kansas City St. Louis	MISSOURI Federal Reserve Bank Federal Reserve Bank	Graham, Anderson Probst & White William B. Itmer			
St. Louis	Grand National Bank				

Public Building Equipment

CITY	INSTALLATION	ARCHITECT	CITY	INSTALLATION	ARCHITECT
San Diego Santa Barbara	CALIFORNIA City Surveyor's Office Santa Barbara County Court House		Camden Newark	NEW JERSEY County Court House & Municipal Building Essex County Hall of Records	Edwards & Green Guilbert & Betelle
Washington	DISTRICT OF COLUMBIA Dept. of Commerce	York & Sawyer	Albany New York Buffalo New York New York	NEW YORK Department of Health Building State Office Building Erie County Court House New York County Court House New York State Office Building	Sullivan W. Jones Wm. E. Haugaard H. J. Cook Guy Lowell Wm. E. Haugaard
Miami	FLORIDA Dade County Court House	A. Ten Eyck Brown	Fayetteville	NORTH CAROLINA Cumberland County Court House	Harry Barton
Atlanta	GEORGIA City Hall	G. Lloyd Preacher & Co.	Minot	NORTH DAKOTA Ward County Court House	Toltz, King & Day
Carrollton	INDIANA Carroll County Court House	J. J. Case	Cincinnati Portsmouth	OHIO Hamilton County Court House Scioto County Court House	John Scudder Adkins
Bedford	IOWA Lawrence County Court House	Walter Scholer	Harrisburg	PENNSYLVANIA South Office Building No. 2	Gehron & Ross, H. C. Trust Assoc. C. Emlen Urban Rankin and Kellogg Bureau of Architecture
Waterloo	KANSAS Black Hawk County Court House		Lancaster Norristown Pittsburgh	PA Lancaster County Court House Montgomery County Court House Allegheny County Court House	
Oberlin Wichita Kansas City	KENTUCKY Decatur County Court House Sedgewick County Court House Wyandotte County Court House	Squires & Rosa Ed. Forsbloom	Providence	RHODE ISLAND Rhode Island State Office Bldg.	
Louisville	MAINE Jefferson County Court House	Brinton B. Davis	Gaffney	SOUTH CAROLINA Sherokee County Court House	M. R. Marsh
Augusta	MASSACHUSETTS Kennebec County Court House		Redfield	SOUTH DAKOTA Spink County Court House	Toltz, King & Day
Boston E. Cambridge Oedham Pittsfield Springfield	MASSACHUSETTS Suffolk County Court House Middlesex County Court House Norfolk County Court House Berkshire County Court House State Building	Charles R. Greco Burton Edw. Geckler	Bristol	TENNESSEE Wise County Court House	
Baltimore Towson	MARYLAND Municipal Office Building Baltimore County Court House				

ART METAL EQUIPMENT FOR LIBRARIES

Art Metal Steel Library Equipment is used in a large percentage of the modern libraries in this country as well as many foreign countries.

If the architect wishes to view an installation, the company will be glad to refer him to several in his community. Every state in the country, as well as practically every important city, has many Art Metal installations.

For a partial list, see Art Metal page 24.

The production of a complete line of modern fire-resisting steel equipment for libraries and museums of various kinds is a specialty of this company. The line

of products is complete for the equipment of small private or town libraries to the great city libraries, such as the new Free Library of Philadelphia in which over 2,783,000 lb. of Art Metal Steel library equipment was used.

The Art Metal line includes not only the shelving for books but indexing systems, trucks, delivery desks, tables, display cases, magazine racks, metal furniture, iron or bronze railings, stairs and stack floor construction, as well as hollow metal trim and doors for the entire building. No order is too large for the Art Metal factories to handle.

GENERAL DATA ON BOOKSTACKS

Ranges

Depth, single-faced without back.....	9½ in.
Depth, single-faced with back.....	8½ in.
Depth, double-faced without back.....	16¼ in.
Height, standard floor to floor.....	7 ft. 6 in.

Note: Height also variable to suit conditions.

Shelves

Depth, standard stack.....	7½ in.
Depth, standard stack (oversize).....	10½ in.
Length, standard stack.....	36 to 42 in.
Depth, bracket stack.....	7 in.
Depth, bracket stack (oversize).....	10 in.
Length, bracket stack.....	36 to 42 in.
Vertical depth, all shelves.....	¾ in.

Main or Corridor Aisles

Width, not less than.....	2 ft. 6 in.
Length: Blind at one end.....	12 ft.

Open both ends.....	18 ft.
Storage for seldom used books, up to.....	30 ft.

Stack Stairs

Number of risers for floor to floor height of 7 ft.	
6 in.....	12
Tread standard.....	10 in.
Well length.....	8 to 19 ft.
Width of stairs, average.....	2 ft. 6 in.
Approximate diameter of spiral stairs.....	4 ft. 2 in.

CAPACITY OF 7-IN. DEPTH SHELVES

Class of books	Volumes per ft. of shelf	Class of books	Volumes per ft. of shelf
Bound periodicals*....	5½	Law.....	6
Circulating.....	10	Medical*.....	6½
Economics.....	9	Public documents....	6
Fiction.....	9	Reference works.....	8
General literature....	8	Scientific.....	7
History.....	8	Technical.....	7

*10-in. shelf depth is better suited to these books.

GLOSSARY OF ART METAL EQUIPMENT TERMS

Shelf Compartments

A unit of shelving one shelf wide between supports and extending one tier high. Standard height, 7 ft. 6 in., floor to floor and floor to cornice, but also furnished in heights to suit conditions.

Range

A row of shelf compartments placed end to end. Length is as required but it is advisable to have it in even multiples of the shelf unit adopted. A range may be single or double-faced.

Single-faced Range—A range that is usually placed on side or end walls with or without a back.

Double-faced Range—Two single-faced ranges back to back, with aisles at the front of each.

Tier

A number of ranges one story high placed side by side with aisle space between each.

Bookstack

A series of superimposed self-supporting tiers or an isolated tier.

Each tier is separated by a deck floor which is supported by the tier or tiers beneath.

Standard Bookstack—Consists of a number of removable book shelves supported by vertical shelf supports extending from floor to floor. The supports also extend the full depth of the shelves.

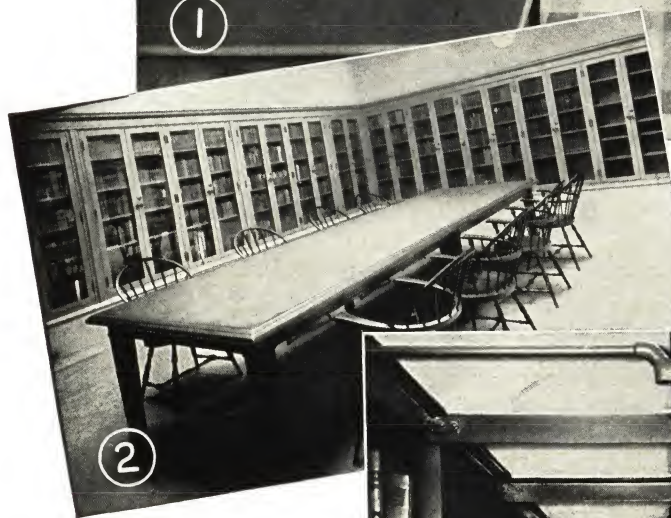
See Art Metal pages 11, 14 and 22.

Bracket Bookstack—Consists of a number of shelving units, each composed of a shelf and end brackets secured to each other as a solid steel unit by the Art Metal No Bolt Process.

The unit is hooked directly into slotted openings in the vertical column which extends the entire height of stack. Brackets extend full depth of shelves.

See Art Metal pages 11, 15 and 16.

ART METAL IN THE FREE LIBRARY OF PHILADELPHIA



1. PEPPER HALL, MAIN
READING ROOM
2. RARE BOOK ROOM

3. CHARGING DESK, CIR-
CULATION DEPARTMENT
4. MAIN BOOK STACK,
FOURTH LEVEL

HORACE TRUMBAUER, Architect

ART METAL STACK CONSTRUCTION AND FINISHES

Stack Weights and Strength of Stack Columns

The detail below gives the stack weights and the strength of stack columns. This data will enable the architect to determine structural strength and foundation necessary to carry the total weight when stacks are in use. The calculations are figured on a basis of 7-ft. 6-in. tier heights.

Shelves

Art metal shelves for both the Standard and Bracket Stacks are easily adjusted or removed from one position to another. No tools are required to make this simple change. The method used for each type will be explained in detail later.

The shelving is fixed and rigid when in position, is thin to make for space saving, and is smooth with a straight line surface and finish and no rough edges.

Cornices and Bases

The finish for tops of one story or the upper part of two story ranges may be plain cover plates or a moulded cornice. Plain cover plates flanged on edges provide a neat finish for top of ranges. Ranges can also be provided with cornices and bases using drawn mouldings, as shown on opposite page, when tops of ranges would be protected by steel top plates. Cornices are built up by using formed and drawn members or rolled steel mouldings with ornamental bronze mouldings applied. Height of cornice may vary according to design selected.

Style "A" is a plain end panel with plain formed cover plate.

Style "B" has steel moulding panel on end, steel moulding on base, and drawn steel cornice moulding with applied ornamental bronze bed moulding.

Style "C" has sunken steel panel end trimmed with drawn bronze moulding, bronze cap moulding on base, and drawn steel cornice moulding with applied drawn bronze crown and bed mouldings.

Cornice cover plates are provided for "B" and "C" cornices when cornice or range does not finish against ceiling.

Where an installation is designed to carry additional tiers in the future, cover plates and cornices may be removed and used on the top of new ranges added.

Finishes

Art Metal originated the process of applying enamel finishes to steel furniture. The Art Metal Department of Research has sought continuously for over a third of a century for methods of improving and perfecting Art Metal finishes.

For permanent results, a hard baked enamel properly applied is essential. Equal results cannot be obtained by any air dried paint.

Art metal enamels are required to withstand the most severe bending and hammer tests without flaking or chipping. To withstand these tests the best grades of materials only are used.

The special rolled pickled sheets that are made especially for Art Metal materially assist in obtaining the ideal surface owing to its smooth, close grained texture.

Past experience has determined the proper number of coats and the ideal baking temperature. All ovens are equipped with automatic controls insuring uniform heat.

In the finishing of Art Metal Library Stacks, every exposed part is finished at the factory at Jamestown, and the enamel baked on.

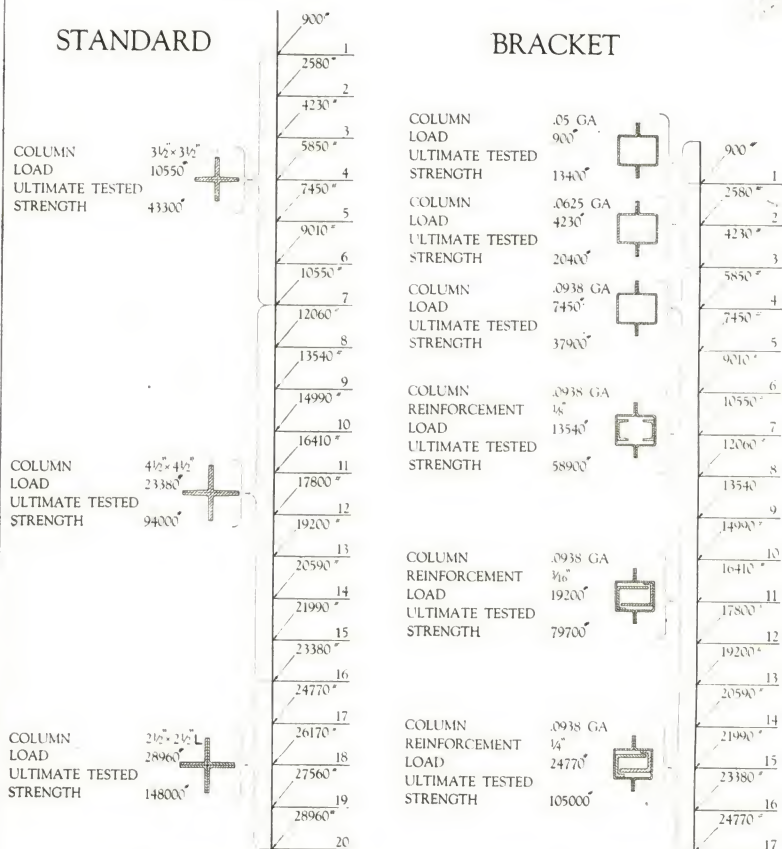
Structural members are given one coat at the factory before shipment, and the finishing coat is applied after the work has been installed.

STRENGTH OF STANDARD AND BRACKET STACK COLUMNS

LOAD INCLUDES TOTAL WEIGHTS OF

BOOKS	25 ¹ / ₂ PER CUBIC FOOT OF STACK
STACK CONSTRUCTION	5 ¹ / ₂ PER CUBIC FOOT
MARBLE FLOOR	18 ¹ / ₂ PER SQUARE FOOT
DECK FRAMING	4 ¹ / ₂ PER SQUARE FOOT
LIVE LOAD	60 PER SQUARE FOOT

NOTE: IN CALCULATION OF LIVE FLOOR LOAD ON COLUMNS, FULL LOAD IS FIGURED FOR TOP FLOOR. FOR EACH SUCCEEDING FLOOR A REDUCTION OF 5% IS MADE UNTIL 50% IS REACHED.



ABOVE FIGURES ARE THE RESPECTIVE LOADS ON EACH INTERMEDIATE COLUMN FOR A 36" BAY OF 90° DOUBLE FACED STACK 16" DEEP PLACED 54" ON CENTERS.

ART METAL STACK SHELVES AND SHELF SUPPORTS

STANDARD TYPE

The Art Metal Standard Stack Compartment consists of two parts: The one-piece shelf support and the one-piece plate shelf. Both are made of smooth plates of steel, finished with baked-on enamel. There are no cast iron parts.

Shelf supports are U-shaped with a trifoil formation at the front and flanged at the rear for reinforcing.

In the front, the supports have horizontal slots incorporating the Art Metal Lock Shelf feature. These slots engage the projecting bearings or flanges on the ends of each shelf and provide a bearing which keeps the shelf firmly in position.

The supports are also perforated in the rear flange for further shelf support. Into these perforations falls the channel formation on the back of the shelf. By this means of construction and assembly the shelf has solid bearings at the extreme ends. The simplicity of these features is unusual, and any shelf may be easily removed without the use of tools and without disturbing other shelves.

The shelves are formed from single steel plates, shaped at the front and back in the form of a channel. This gives a finished appearance and reinforces the shelf at the same time. The ends of the shelves are also reinforced by shaping in the form of a flange, which also serves to lock the shelf in place.

The shelves will not warp, twist, split, shrink or swell and because of their hard, smooth surface can be readily cleaned. Shelves without perforations are recommended and usually furnished. Perforated shelves, to provide extra ventilation, may be had if desired.

Shelving may be any length required but should be of uniform length, if possible.

There are two kinds of shelf supports: Finished ends which are used at the ends of ranges, and partition or intermediate supports. Each of these is divided into two classes: Double-faced, where ranges have shelves accessible from both sides; and single-faced, where shelves are on one side only. The finished ends are entirely plain and smooth, with rounded edges. Where preferred, they may be paneled.

BRACKET TYPE

The "All Wrought" Bracket Shelf is made of steel, with front and back formed to a box or channel section which, with its smooth steel-plate brackets, makes a solid steel unit without intermediate part between itself and the standard. It is hooked directly into the slotted openings in the standard by stout lugs on the back of the bracket.

Framing for intermediate floors is introduced as in the Art Metal Standard Stack.

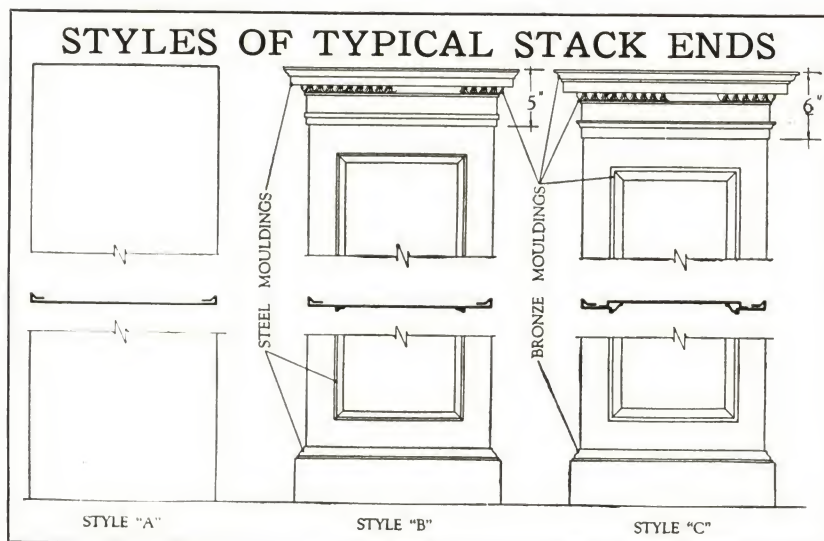
This type of shelving is light and easily handled, or stored, having no cast iron parts liable to breakage. It is entirely smooth, having no sharp openings that would crease or wear books and afford lodgement for dust. It is most durable, being built entirely of steel without loose parts.

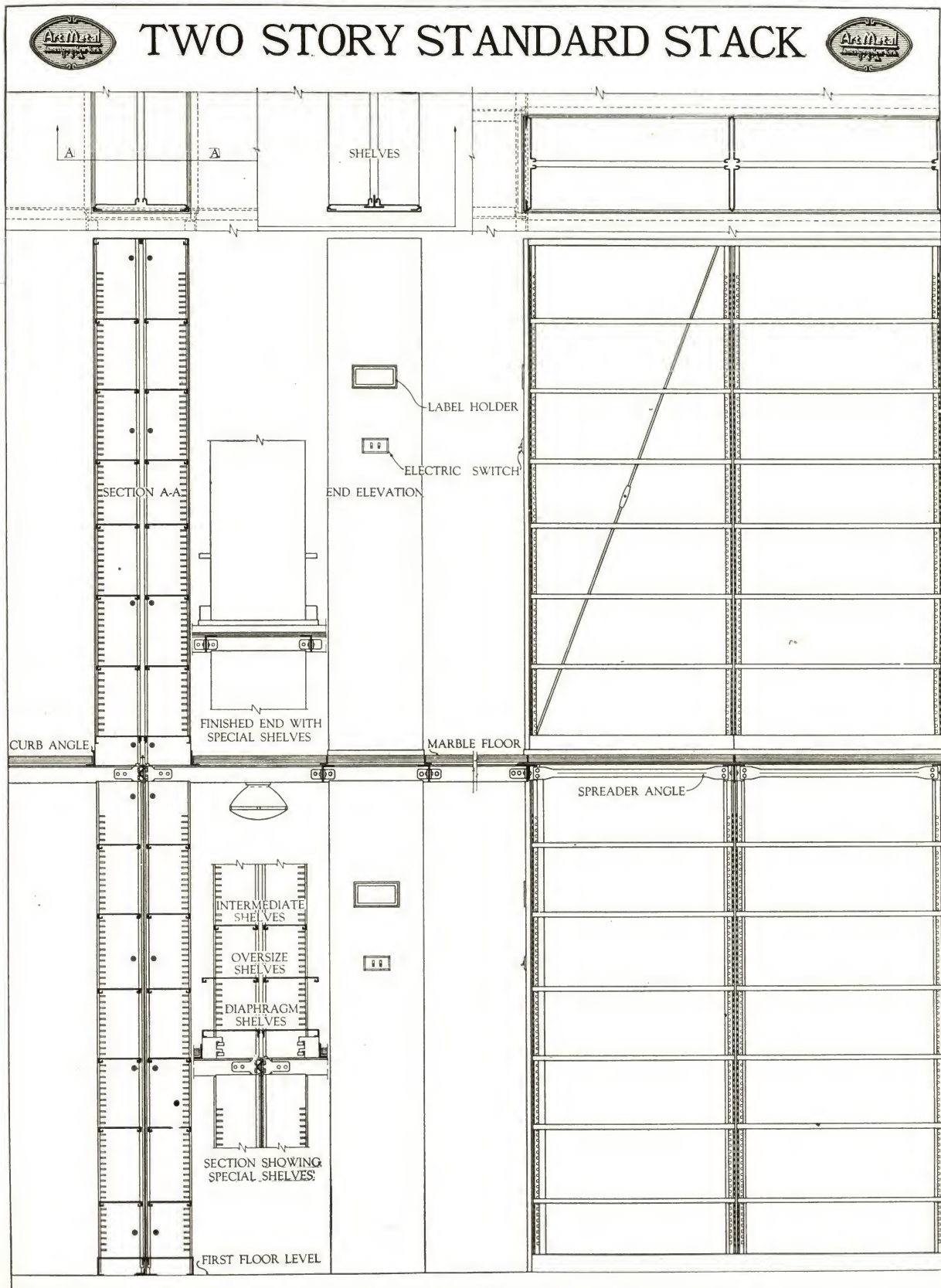
This shelving is easily adjusted, being hooked directly into the supporting standard. It can be shifted by anyone without disturbing the books, no tools or spirit level being required for adjustment. Absolutely level shelves are assured by mathematic levels on the supporting standards.

Brackets have flanged edges so that books will not easily straddle them; thus the wear on books through handling at the stack is reduced to a minimum. The brackets are connected to the shelves by the Art Metal patented *no bolt* process.

Ranges have open ends, thus allowing free circulation of air and light.

Solid ends can be provided when it is desired to exclude direct sunlight.



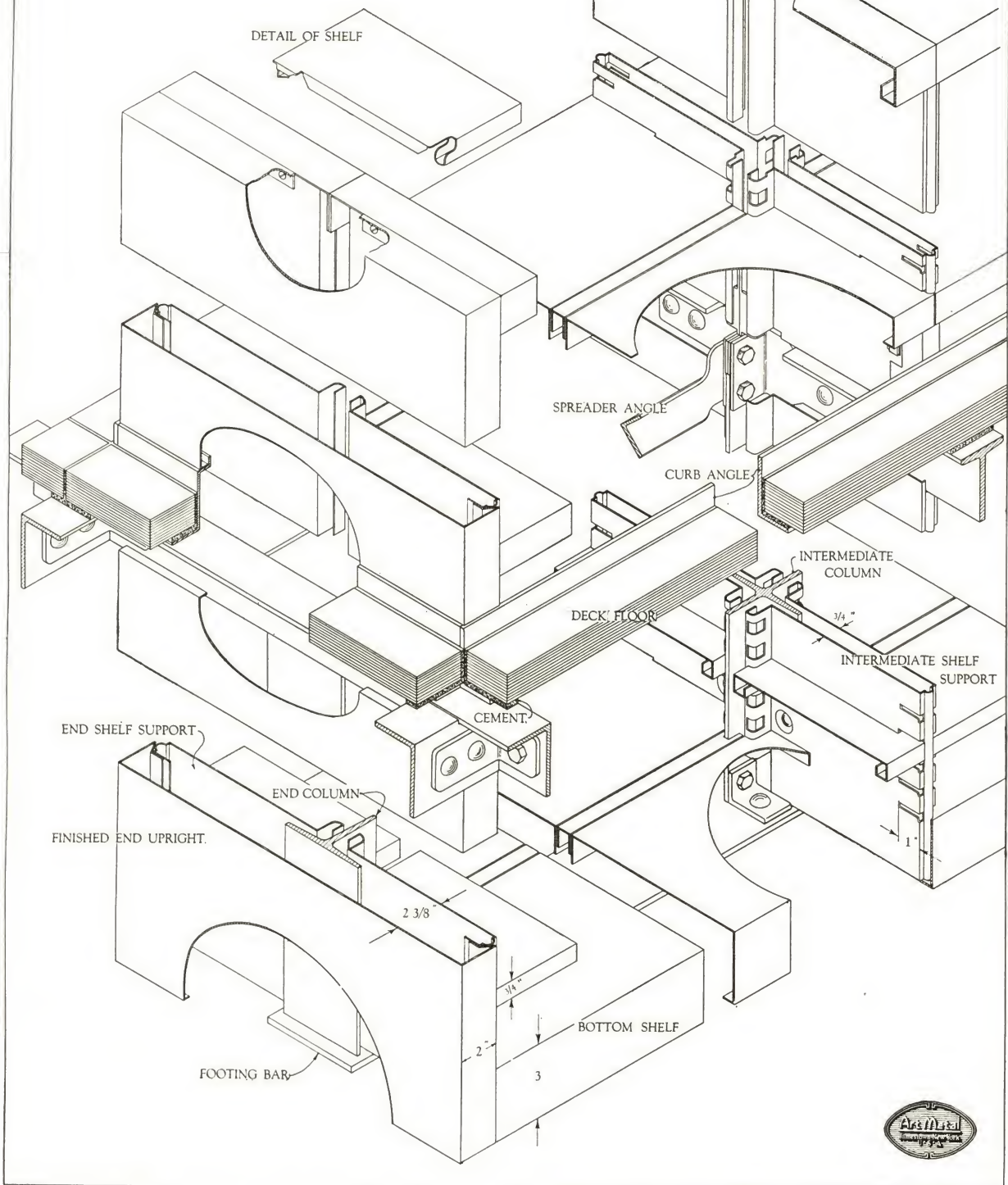


On this page is shown the two story standard stack in elevation and in plan. The elevation at the right shows the method of fastening and bracing. The end view at the center shows the location of label holders, light switches, etc. The sectional view of the left is taken at line A-A on the plan. It shows

the curb angle supporting second floor slab while the smaller sectional view shows the application of special shelves for large books, etc. At the top are shown plan views.

Details of construction are shown on the opposite page.

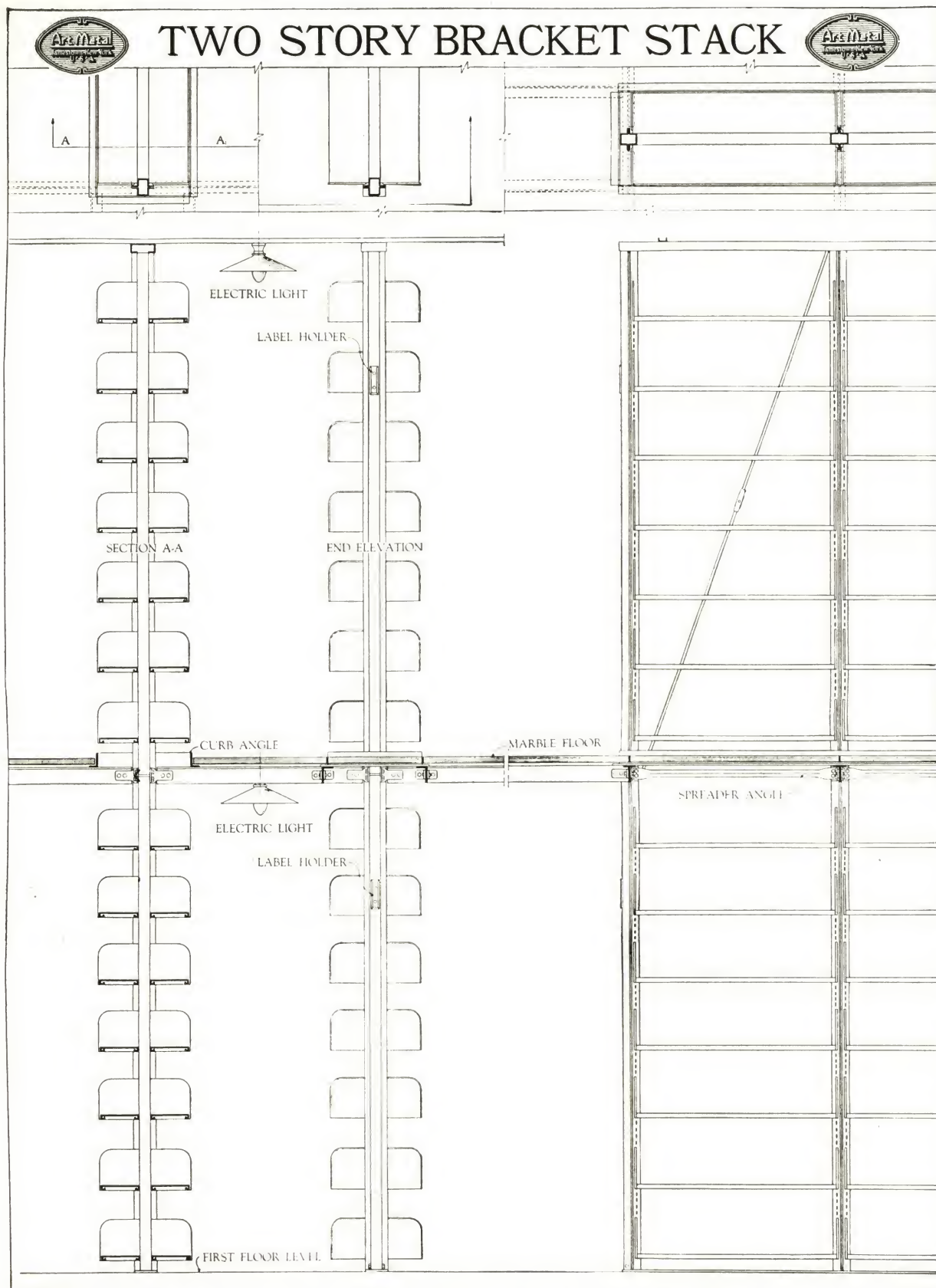
DETAILS OF TWO STORY STANDARD STACKS



On this page are shown the construction details of the two story standard stack.

The lower portion of the page shows the first story with the second story above. Note the columns

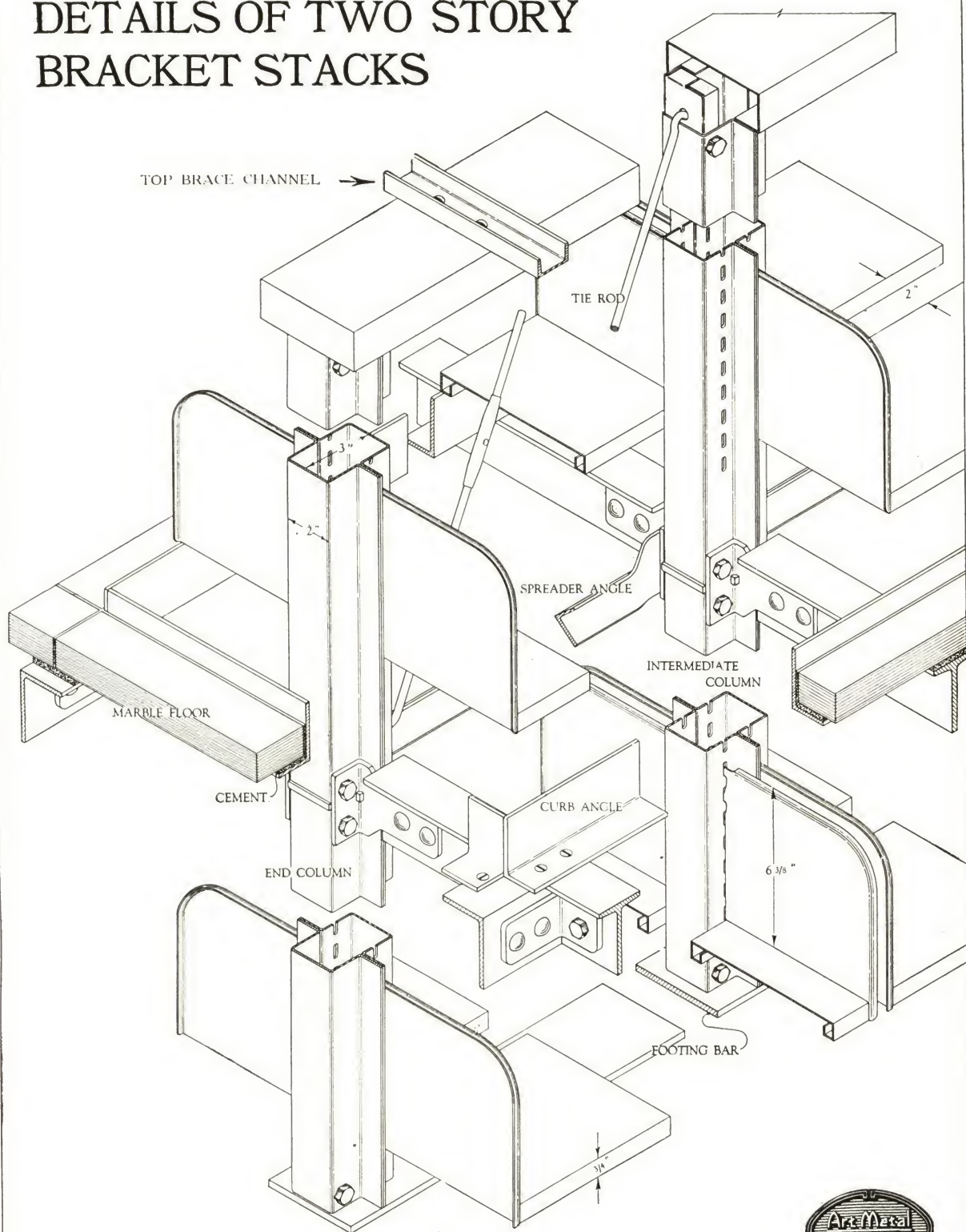
which carry the load of the second story and the curb angles which support the floor slabs. The stack is braced by the spreader angles in both directions and the tie rods to form rigid structure.



On this page is shown the two story bracket stack in elevation and in plan. The front elevation at the right shows the method of fastening and bracing the stack. The end elevation in the center shows the bracket stack ends, location of

label holder, etc. The sectional view at the left is taken at line A-A on the plan. It shows the curb angle supporting the second floor slabs. At the top are plan views. Details of construction are shown on the opposite page.

DETAILS OF TWO STORY BRACKET STACKS



On this page are shown the construction details of the two story bracket stack. Note the tubular construction of the columns which extend the full height of the stack and carry the second story load and also form supports for the shelves.

Where the loads require it, reinforcing channels are placed inside the columns as shown on page 12. The stack is braced by the spreader angles in both directions and by tie rods to form a rigid structure.

ART METAL DECK FLOORS

Note: The bottom floor of a stack room is not included with the deck floors and is usually not a part of the contract for equipment, but is installed by the contractor for the building.

Between each pair of tiers there should be a deck floor of light structural framing supporting some solid material that is dust and waterproof—concrete, stone or glass.

Art Metal has developed flanged sheet metal pans which can be set on the structural members in the same manner as stone or glass. When in place, the pans are filled with concrete to a smooth, level surface. It is then covered with mastic, rubber tile or treated with a surface hardener.

An entirely new type of concrete deck floor recently developed by ART METAL CONSTRUCTION COMPANY is described below.

When marble is used for deck floors it should be $1\frac{1}{4}$ in. thick, sound and without pronounced veinings, with both sides sand rubbed. It is set in cement with joints neatly pointed.

Slate, while not frequently used, makes a satisfactory floor aside from its appearance and the fact that it does not reflect light. The under surface is often painted

white to help reflect the light. Slate floors should be $1\frac{1}{4}$ in. thick and set in cement, joints neatly pointed and adjoining slabs leveled.

Glass for floors should be $\frac{3}{4}$ in. thick with top or floor side sand blasted to obscure the vision and make footing more secure.

It is bedded in a special cement putty with slabs leveled so that there are no projecting edges. In stack rooms having a skylight, glass floors permit light to pass through.

Wood cannot be used to advantage for deck flooring as it multiplies noise, feeds fire, catches dust and dirt, is hard to keep clean, does not reflect light and is generally unsatisfactory.

Total thickness of deck floors for ordinary spans up to 48 in. from top of floor to bottom of steel floor beam, is $3\frac{1}{2}$ in. plus the thickness of glass, marble or slate. When alcoves are large enough for reading tables, deck floors need heavier construction.

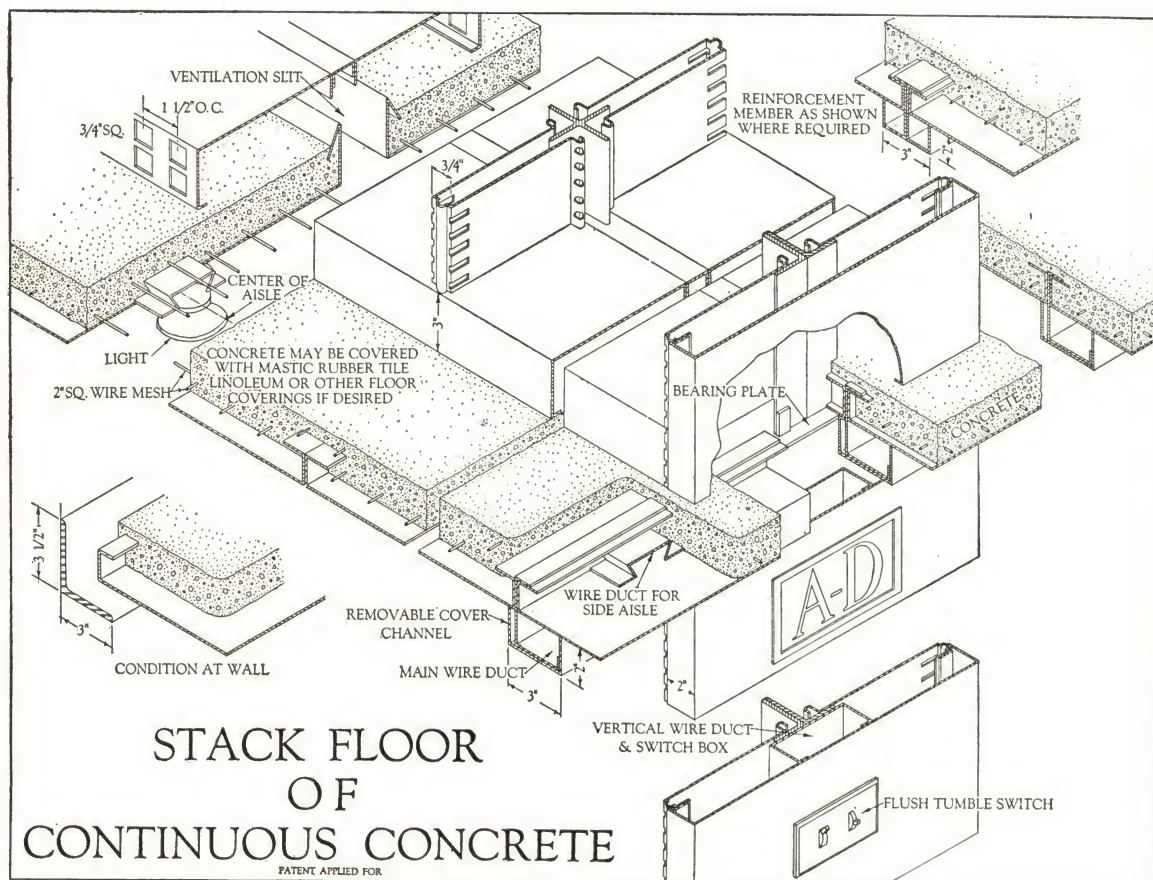
Along the face of each range there should be a horizontal or vertical deck slit 2 to 3 in. wide or high for ventilation and light. These are protected by a curb angle as illustrated on Art Metal pages 14, 15, 16 and 17.

NEW ART METAL COMBINATION STEEL CEILING AND CONCRETE FLOOR

(Patent applied for)

Art Metal has developed an entirely new type of deck floor construction for use in library stacks which possesses many advantages not found in the older types of construction. The structural members required with

stone and glass are eliminated. Instead, steel pans with flanged sides are used. The pans are supported on bearing plates attached to the columns, a wire reinforcement is placed and the pans are filled with concrete 2 in. thick.



The construction details are shown in the drawing on previous page.

Advantages

- (1) The under side of the pan forms a smooth ceiling which may be painted or given any desired finish.
- (2) The pan acts as a form for the concrete and constitutes the greater part of the reinforcement.
- (3) The thickness of the concrete may be reduced without any sacrifice of strength. This reduces the weight of the floor approximately 33⅓%.

(4) The pans act as lateral braces for the stack columns.

(5) The flanged sides of the pans provide a curb which prevent dust or water falling on the shelves below.

(6) The pan supports and forms braces for wires for lights, eliminating the use of conduits.

(7) Adequate ventilation is provided. By means of dampers in the front edge of the bottom shelf, the flow of air may be controlled.

(8) The cost of this construction is generally less than with other types.

ART METAL LIBRARY ACCESSORIES AND GENERAL EQUIPMENT

STACK ACCESSORIES

The list of accessories that can be provided where desired includes label holders for ends of stacks, shelf label holders, range finders, book supports of different

types, portable reference shelves, perforated shelves, roller shelves, etc. (See illustration in left-hand column.)

RAILINGS AND STAIRWAYS

Railings for galleries across open ends of stack decks and open stairways should be in keeping with the design of the library interior. Stairs located between the finished backs of two adjacent single-faced ranges are provided with either steel, bronze or wood handrail as desired.

In right-hand column are shown standard railings of designs particularly adapted for use in libraries. Class "A" is a plain design used largely in stack rooms on stairways and around stairwells.

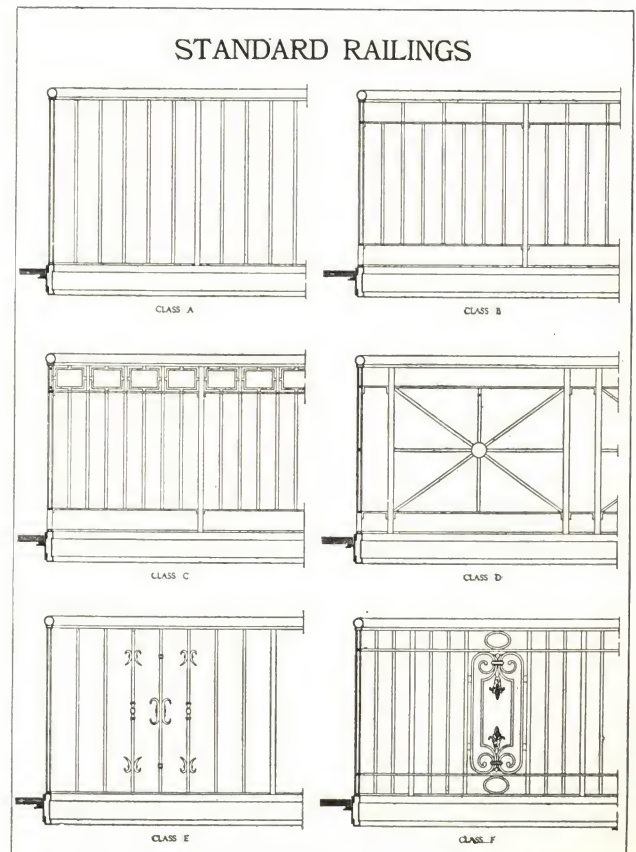
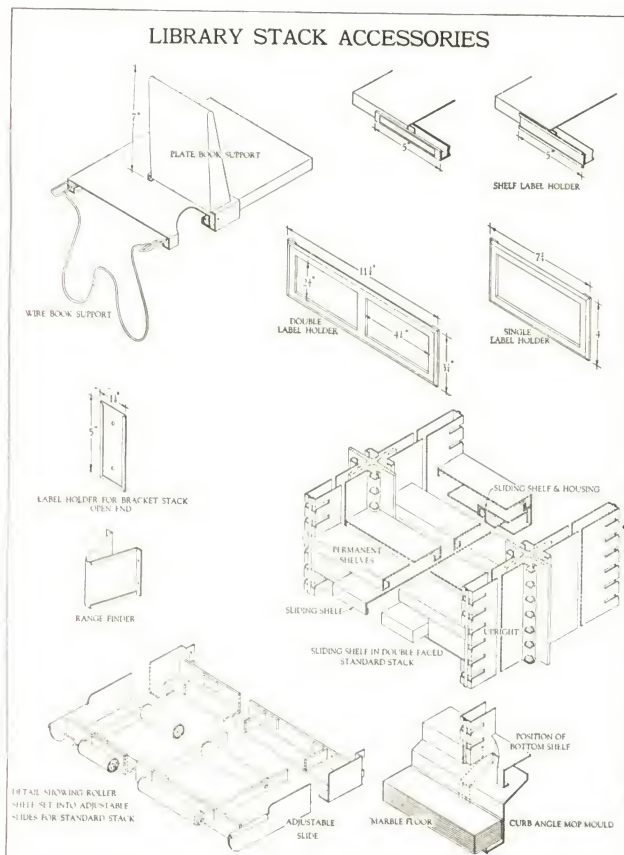
Class "B" and "C" are more elaborate designs used for the same purpose and also used on balconies.

Class "D," "E" and "F" are ornamental railings

suitable to all conditions in a library where a railing of more artistic design is desired.

Class "A" railing has a 2-in. steel tubing handrail fitted into a channel top member to which are attached the ½ or ⅝-in. square wrought iron vertical rails. The lower ends of vertical members are attached to a 1 in. by ½-in. channel. Posts are 1 in. square wrought iron.

Class "B" and "C" railings have 2-in. bronze tubing handrails fitted into channel. The horizontal members are 1 in. by ⅜ in. steel bars into which are fitted the ⅝-in. square tubing vertical members. Posts are 1-in. square steel bars.



Class "D" railing is built up of bars with 2-in. bronze handrail, posts being 1-in. square steel bars.

Class "E" railing is similar to Class "A" with the addition of cast ornaments applied to three of the vertical members in the center of each section between posts.

Class "F" railing has a 2-in. bronze tubing handrail fitted into a channel, the two intermediate horizontal members through which the vertical members are mortised consist of 1½ in. by ½-in. bars.

The bottom member consists of a ¾ in. by ¾-in. channel to which are attached all vertical ⅝-in. square bars as well as the ¾-in. square bars at each side of the ornamental panel occurring at the center of each section between 1-in. square posts.

The ornamental panel is built up from ¾ in. by ½-in. bars and cast ornamentations.

The finish used for all railings is a baked enamel with a brushed bronze finish for bronze handrails.

STACK STAIRS

Main corridors should connect the aisles between the ranges of each tier and the tiers should be connected vertically by stairs and lifts. For standard stair dimensions, see page 10.

Stairs are frequently placed between two parallel ranges thus saving floor space. As a rule, stairs should

be near the center of the stack. They are made of cold-rolled steel which gives a better surface for applying the baked-on enamel finish.

Treads of various kinds are available: Corrugated rubber, safety tread, marble, glass, slate or linoleum.

BOOKLIFTS

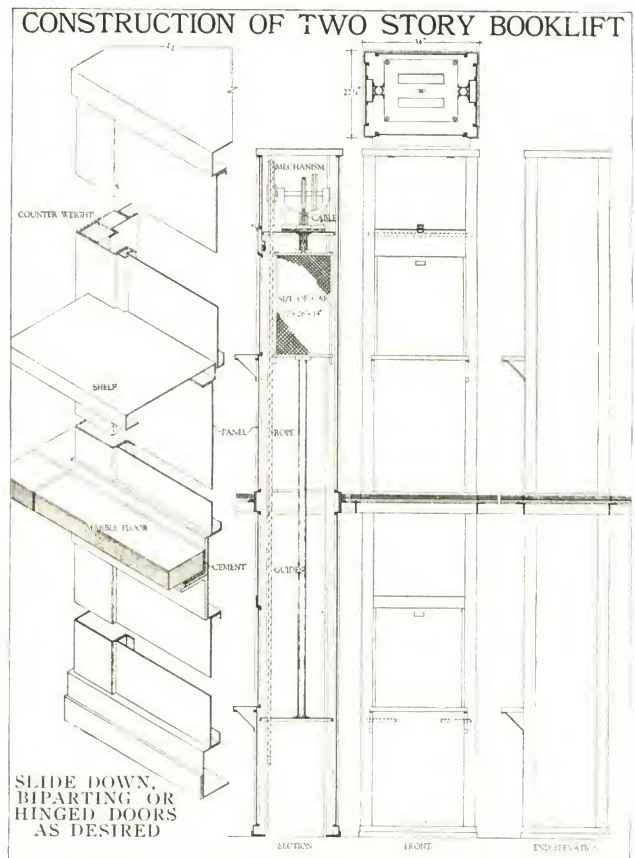
Booklifts are regularly supplied for operation by a handpower mechanism with automatic brakes which hold the car where it is stopped. Car is made of brass mesh or wood and has a capacity of 100 lb. Booklift enclosures consist of corner posts to which are bolted steel panels. An opening is provided at each stack level. These openings are covered with bi-parting, slide down or swing doors. A steel shelf 6 in. deep is provided at each opening to assist in placing books on and removing them from the lift. An access door to the machinery is provided at the top of the enclosure.

Electrically operated lifts are recommended for multi-story book-stacks. They can be furnished with push button control so that the lift will stop at any desired level. The machinery and control mechanism is placed at the top of the shaft behind an access door as in the case of hand operated lifts.

For use in large stacks where the number of books to be handled is great, a continuous conveyor is recommended. By an ingenious mechanism this carries the books to the desired level and automatically discharges them to await the attention of the attendants. Details of this conveyor furnished on request.

With the tendency in modern construction to erect stacks several stories in height, it is desirable to provide a passenger elevator to expedite the movement of workers between floors when necessary. These are usually of the standard push button control type.

Enclosures for elevators and conveyors are constructed in the same manner as shown for booklift enclosures.



BRONZE MUSEUM CASES

These cases are constructed of architectural extruded bronze shapes. All joints are of dustproof construction.

All corners of doors and case panels to be securely fastened together by means of concealed connection angles. All panels of case are held in position by means of concealed sliding lock bars.

Glass or Vehisote panels optional and are cemented

in the bronze frames so as to make a dustproof joint and absolutely rigid construction.

Cases can be had with removable panels or hinged doors fitted with locks.

Cases are made to any specified size for mounting on tables, sanitary or closed bases.

For illustration, see page 23

CARREL DESKS AND CUBICLE PARTITIONS FOR READERS

Carrel Desk—This is a new type reading desk of light, portable construction as shown in the illustration. The reading table is 18x37 in. with a linoleum top and brass binding edge. Above it is a bracket type shelf for additional reference books. The overall dimensions are 37 in. wide by 38 in. long and 54 in. high. Desks may be placed in double rows, 6 ft. between centers in the row.

They provide maximum seating capacity where space is a consideration, are inexpensive, light and easily

portable and afford a semi-privacy. Corrugated rubber at the underside of the footing prevents the desk from sliding and makes it unnecessary to fasten to the floor.

Cubicle Partitions—Metal partitions for providing study rooms or cubicles can be furnished with a reference shelf that will serve as a work table, and adjustable shelves on which books may be placed within convenient reach of the student.

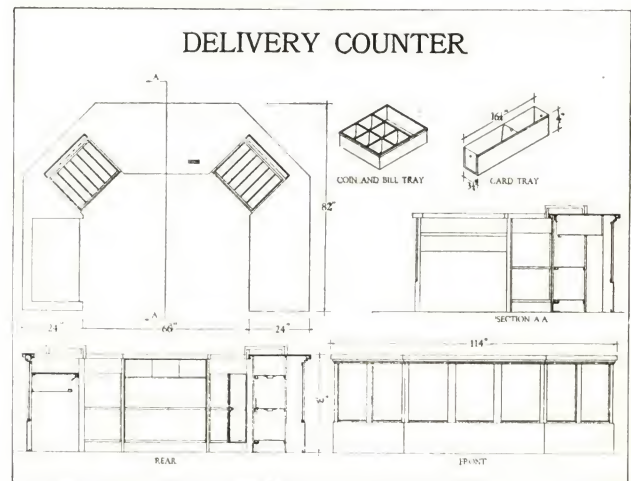


CARREL DESKS FOR READERS

DELIVERY COUNTERS AND READING ROOM EQUIPMENT

Art Metal Delivery Counters—A typical Art Metal Counter for library requirements is shown at right. Charging card trays are placed in the top of the counter and are protected by a disappearing cover. The rear of the counter is equipped with card index drawers, cash drawers, storage cupboards and open shelving for returned book storage.

Art Metal Equipment for Reading Rooms—Includes folio cases, periodical racks and newspaper racks. In smaller libraries the periodical and newspaper racks are placed on casters for ease in moving about the room. The newspaper or periodical is tightly held and locked in a specially designed holder. Only a small part of the margin is covered by the holder and all inside columns are exposed with margin to spare. All equipment is made of steel and finished with the durable baked enamel.



BOOK TRUCKS

Book Trucks facilitate handling of books between stack room, delivery counter or other departments. Art Metal Trucks for this purpose are built entirely of steel

and have baked enamel finish. Trucks are equipped with ball bearing wheels and casters with either rubber or aluminum tires.

ELECTRICAL EQUIPMENT

The furnishing and installing of rigid conduit fittings, receptacles and switches may be included with the contract for stacks, but not the wiring and furnishing of lamps.

Conduit risers extend on the underside of each deck floor.

Horizontal conduits to carry the wires are supported in the deck floor construction.

Lights in the aisles between ranges should be lo-

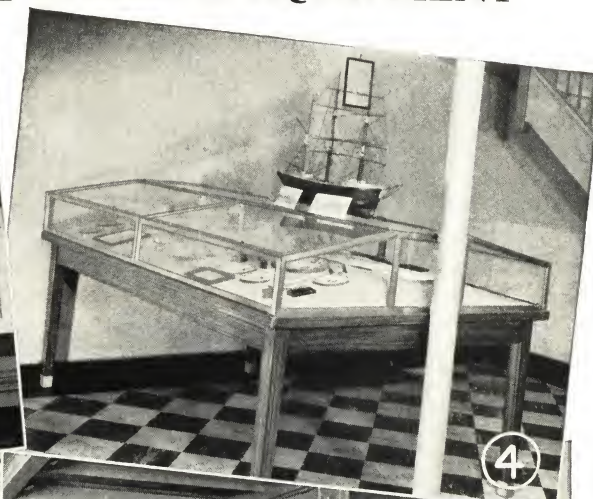
cated 6 ft. apart and controlled by switches countersunk in the finished ends of the ranges. Main aisle or corridor lights may be located 12 ft. apart and should be controlled by switches adjacent to stack room entrances, or at foot or head of stairways.

Single or double switches may be used to control range aisle lights. Three-way switches are very convenient where ranges are open at both ends and 12 ft. or longer.

SPECIAL LIBRARY AND MUSEUM EQUIPMENT



①



④



②



⑤



③



⑥

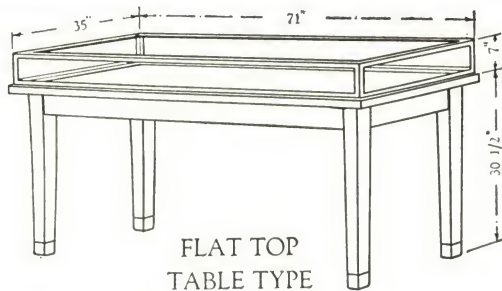
1. BULLETIN BOARD IN WHICH PRINT MAY BE LOCKED
 2. DETAILS OF ROLLER SHELVING
 3. SINGLE FACED MUSEUM CASE ON STEEL
 DRAWER BASE

4. DOUBLE FACED MUSEUM CASE TABLE TYPE
 5. PORTFOLIO CASES FOR PRINTS
 6. HIGH NEWSPAPER RACK

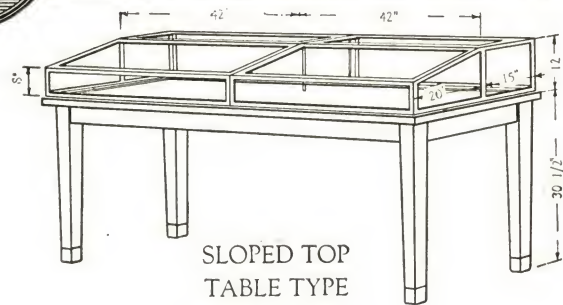
MUSEUM



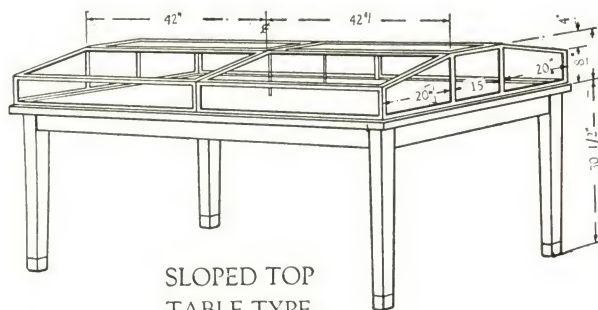
CASES



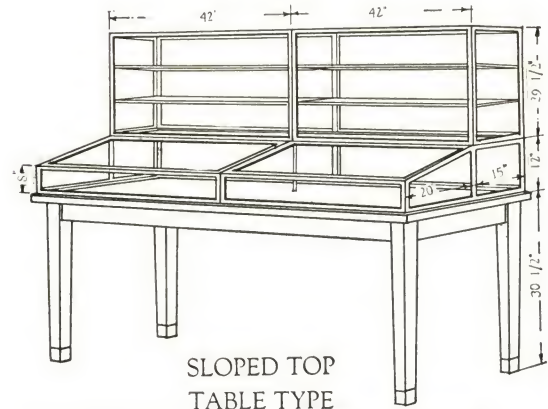
FLAT TOP
TABLE TYPE
DOUBLE FACED



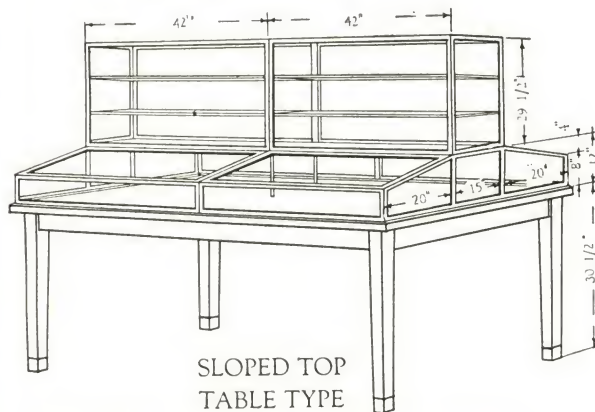
SLOPED TOP
TABLE TYPE
SINGLE FACED



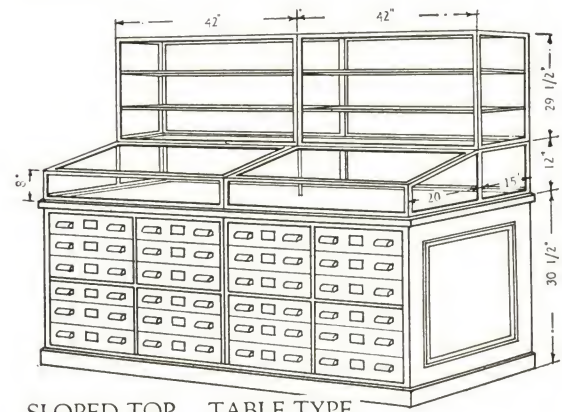
SLOPED TOP
TABLE TYPE
DOUBLE FACED



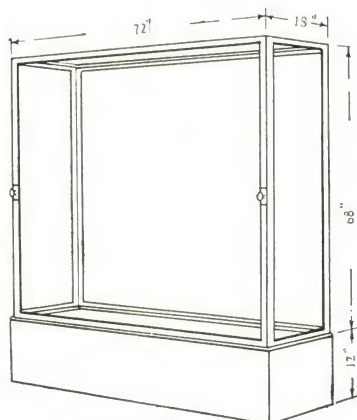
SLOPED TOP
TABLE TYPE
SINGLE FACED WITH CABINET ABOVE



SLOPED TOP
TABLE TYPE
DOUBLE FACED WITH CABINET ABOVE



SLOPED TOP TABLE TYPE
WITH DRAWER PEDESTAL



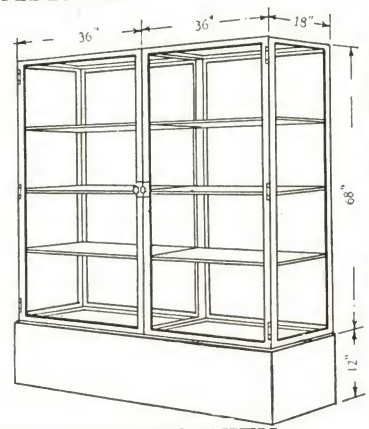
CABINET TYPE
FOR LARGE SPECIMENS
GLASS OR SOLID BACKS OPTIONAL

RECENT ART METAL INSTALLATIONS

Buffalo Historical Society, Buffalo, N. Y.
Free Library of Philadelphia, Philadelphia,
Pa.

Jewish Theological Seminary, New York,
N. Y.

Lehigh University, Bethlehem, Pa.
Lynn Historical Society, Lynn, Mass.
State Senate House, Kingston, N. Y.
University Museum, Philadelphia, Pa.



CABINET TYPE WITH
SHELVES FOR SMALL SPECIMENS
GLASS OR SOLID BACKS OPTIONAL

PARTIAL LIST OF ART METAL LIBRARY INSTALLATIONS

CITY	LIBRARY	ARCHITECT	CITY	LIBRARY	ARCHITECT
Montgomery	ALABAMA Montgomery Co. Law Library	Okel & Cooper	Bozeman Helena	MONTANA Montana State College State Law Library	Card & Hawksworth
Berkeley Los Angeles Los Angeles Palo Alto San Francisco San Diego	CALIFORNIA University of California William A. Clark, Jr., Library University of California Leland Stanford, Jr., University Mechanics' Institute Public Library	J. H. P. Atkins Robert D. Farquhar Ward & Blohne Albert Pissis Ackerman & Ross	Lincoln Lincoln Omaha	NEBRASKA Lincoln Carnegie Library University of Nebraska Omaha Public Library	Fisher & Lawrie Walker & Kimball
Boulder	COLORADO University of Colorado	Geo. W. Roe	Carson City	NEVADA State Library	M. J. Curtis
Bridgeport Hartford Hartford New Haven New Haven	CONNECTICUT Fairfield County Law Library Hartford Public Library Trinity College Ives Memorial Library Yale University Library	Briggs & Caldwell Benj. W. Morris Cass Gilbert Chas. C. Haight	Bennington Dover	NEW HAMPSHIRE Dodge Memorial Library Dover Public Library	J. E. Randlett
Washington Washington Washington Washington Washington	DISTRICT OF COLUMBIA Department of Commerce Folger Shakespeare Library Scientific Library-Patent Office U. S. Geological Survey Library U. S. Senate Library	York & Sawyer Paul Cret Thos. Ustick Thos. Ustick Thos. Ustick	Newark Passaic	NEW JERSEY Free Public Library Reed Memorial Library	Rankin & Kellog John F. Jackson Co.
Gainesville Jacksonville	FLORIDA University of Florida Free Public Library	Wm. B. Ittner H. J. Klutho	Albany	NEW YORK State Ed'l Building	Palmer, Hornbostel & Jones
Atlanta	GEORGIA Carnegie Library		Buffalo Brooklyn Brooklyn Ithaca New York City New York City New York City New York City New York City Poughkeepsie Syracuse Utica	Buffalo Historical Society Polytechnic Institute Public Library Cornell University Library Columbia University Library Jewish Theological Seminary Fordham University Municipal Building Teachers' College Vassar College Library Public Library Utica Public Library	William B. Tubby R. F. Armiral Miller & Mallory McKim, Mead & White Gehron & Ross Emile G. Perrot
Boise	IDAHO Carnegie Library	Tourtelotte & Company	Asheville Charlotte	NORTH CAROLINA Pack Memorial Library Carnegie Library	Allen & Collens James A. Randall
Moscow	University of Idaho	J. E. Tourtelotte & Co.	Fargo	NORTH DAKOTA Public Library	Edward L. Tilton J. M. McMichael
Aurora Chicago	ILLINOIS Public Library Art Institute	W. A. Otis Shepley, Rutan & Coolidge	Canton Cincinnati Cincinnati Cincinnati Cleveland Columbus Columbus Dayton	OHIO Public Library Cincinnati College Public Library Cleveland Law Library Ass'n Supreme Court Law Library Public Library Dayton Library and Museum	Hancock Brothers
Chicago Chicago Decatur Urbana	Frederick Hild Branch, Pub. Lib. University of Chicago Public Library University of Illinois	Pierre Blouke Shepley, Rutan & Coolidge Mauran, Russell & Crowell			Guy Tilden Tietig & Lee James W. McLaughlin
Bloomington Decatur Fort Wayne Indianapolis Indianapolis	INDIANA Indiana University Library Public Library Carnegie Library City Library State Library	Alfred Grindle Paul B. Cret Edwin May	Muskogee Norman	OKLAHOMA Muskogee Public Library University of Oklahoma	Peters & Burns
Des Moines Des Moines	IOWA State Historical Library Iowa State Library	Smith & Gutterson Oliver O. Smith	Oklahoma City	University of Oklahoma	Henry D. Whitefield Layton, Hicks & Forsyth
Kansas City Lawrence Topeka	KANSAS Carnegie Library Un. of Kansas Library State Library	W. W. Rose Van Brunt & Howe E. T. Carr, J. G. Haskell	Erie Harrisburg Harrisburg Philadelphia Philadelphia Philadelphia Pittsburgh Pittsburgh	PENNSYLVANIA Public Library South Office Building No. 2 State Law Library Free Library of Philadelphia Philadelphia City Law Library University of Pennsylvania Allegheny County Law Library Carnegie Library	Alden & Harlow Gehron & Ross Jos. M. Huston Horace Trumbauer J. McArthur Furness & Evans Alden & Harlow Alden, Harlow & Jones
Huntington Lexington Paducah	KENTUCKY Public Library Public Library Carnegie Library	H. L. Rowe A. L. Lassiter	Newport Providence	RHODE ISLAND U. S. Naval War College Public Library	Stone, Carpenter & Wilson
Augusta Bangor	MAINE Maine State Library Penobscot Co. Law Library	G. Henri Desmond	Rock Hill	SOUTH CAROLINA Winthrop College	Edwards & Sayward
Annapolis Baltimore Baltimore	MARYLAND State Library Baltimore Bar Association St. Mary's Seminary	Maginnis & Welch	Sioux Falls Vermillion	SOUTH DAKOTA Carnegie Library University of South Dakota	Joseph Schwartz Joseph Schwartz
Boston Boston Boston Boston Cambridge	MASSACHUSETTS Harvard School of Business Mass. Historical Society State Law Library Museum of Fine Arts Harvard Un. Law Library	H. G. Balcom Chas. Brigham Guy Lowell Shepley, Rutan & Coolidge	Chattanooga Memphis Nashville	TENNESSEE Public Library Cossitt Library Carnegie Library Fisk University	R. H. Hunt L. B. Wheeler Albert R. Ross Henry C. Hibbs
Cambridge Holyoke Lawrence Lynn New Bedford South Hadley Wellesley	Harvard School of Business Adm. Holyoke Public Library Lawrence Public Library Lynn Historical Society Public Library Mt. Holyoke College Library Wellesley College Library	McKim, Mead & White William Aldrich Nat C. Smith George F. Newton Coolidge & Carlson	Austin Dallas	TEXAS University of Texas Dallas Public Library	Cass Gilbert
Ann Arbor Ann Arbor	MICHIGAN University of Michigan University of Michigan, Legal Research Building University of Detroit	Albert Kahn York & Sawyer Malcomson & Higginbotham Charlton & Keunzli	Salt Lake City	UTAH State and County Law Library	
Detroit			Burlington	VERMONT University of Vermont	W. H. Richardson
Houghton	Michigan College of Mines		Charlottesville Williamsburg	VIRGINIA Law Dept. University of Virginia State Law Library William and Mary College	W. M. Poindexter Charles M. Robinson
Duluth Minneapolis Minneapolis St. Paul	MINNESOTA Public Library Public Library University of Minnesota State Historical Library	Chas. A. Aldrich Clarence H. Johnston Clarence H. Johnston	Olympia Seattle	WASHINGTON Washington State Library University of Washington	E. O. Eastwood
Columbia Jefferson St. Louis	MISSOURI University of Missouri Missouri State Library Washington University	Jamieson & Spear Mariner & La Blumie Cope & Stewardson	Charleston Morgantown	WEST VIRGINIA West Virginia State Capitol West Virginia University Library	Cass Gilbert
			Madison Madison Madison Milwaukee	WISCONSIN State Law Library State Historical Society University of Wisconsin Milwaukee Public Library	Geo. B. Post & Sons Edw. Tough Van Run & DeGelleke
			Cheyenne	WYOMING State Library	

ART METAL HOSPITAL EQUIPMENT

Art Metal manufactures a complete line of Hospital Equipment in both Flush and Free Standing Types. (See list on following page.)

The Flush Type, as illustrated below, is growing in popularity because it has ably proved its worth from the standpoints of sanitation, adaptability and appearance.

Following is a brief summary of the advantages of Art Metal Flush Type Hospital Equipment.

(1) Flush, built-in construction providing bond with tile or plaster at all faces.

(2) Two-piece cabinet design permitting frames to be installed with the building walls.

(3) Finished cabinets to be held until building is broom clean.

(4) Assembly without visible attachments or joints.

(5) Sanitary inside cove construction.

(6) Elimination of dirt pockets.

(7) Facilities for cleaning and dusting.

(8) Acid resisting, baked enamel finish.

(9) No-bolt shelf adjustment.

(10) Nationwide Service Organization.

ART METAL FLUSH TYPE CASE WORK IN THE HILLMAN HOSPITAL, BIRMINGHAM, ALA.

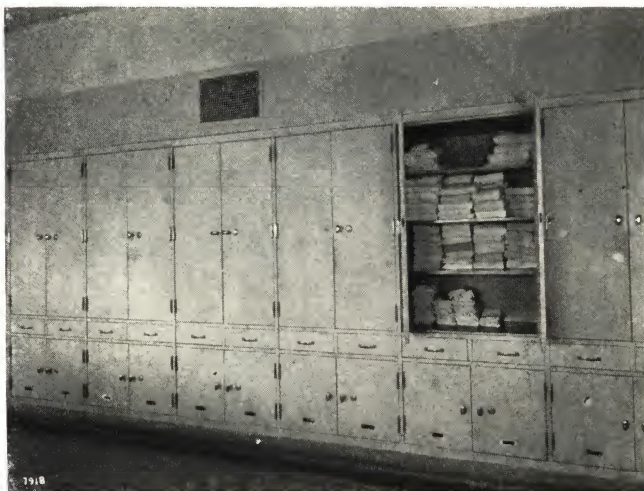
BERLIN & SWERN, Architects
H. B. WHEELLOCK, Associate Architect



MODERN METAL EQUIPMENT



ART METAL BLANKET WARMERS



A WELL PLANNED ASSEMBLY OF SHELVES WITH
DOORS, DRAWERS AND CABINETS



HOLLOW METAL COUNTERS

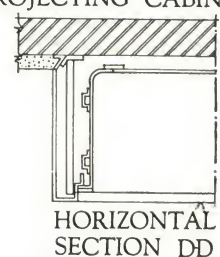
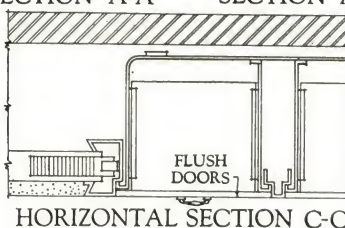
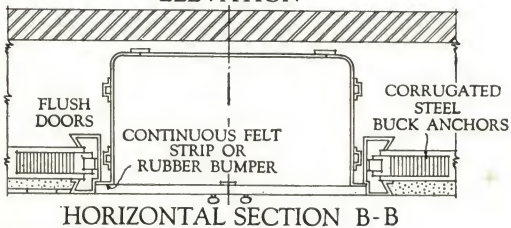
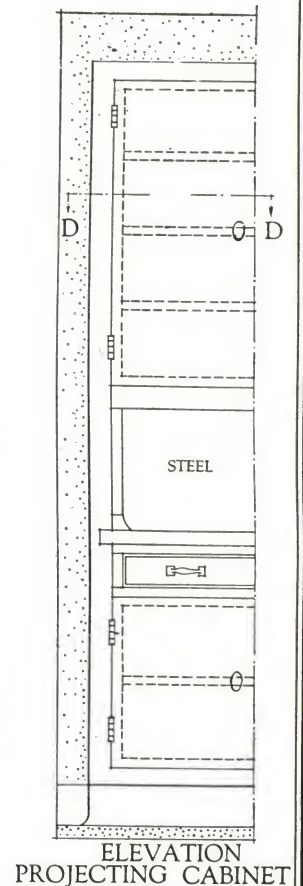
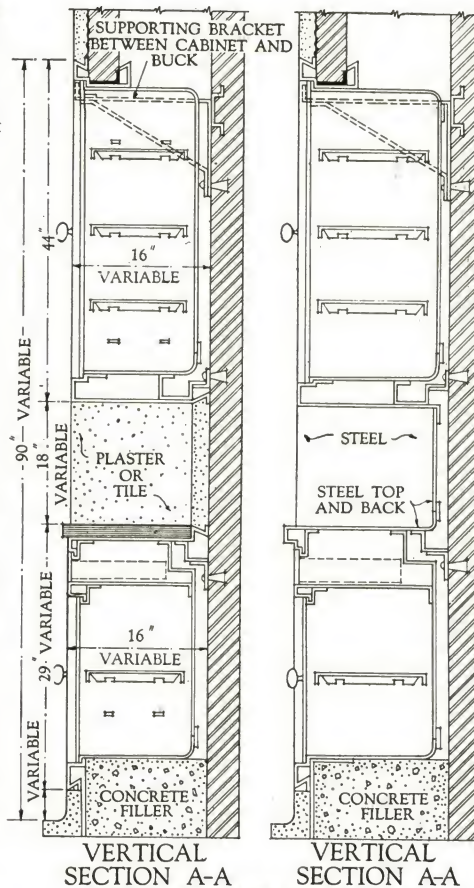
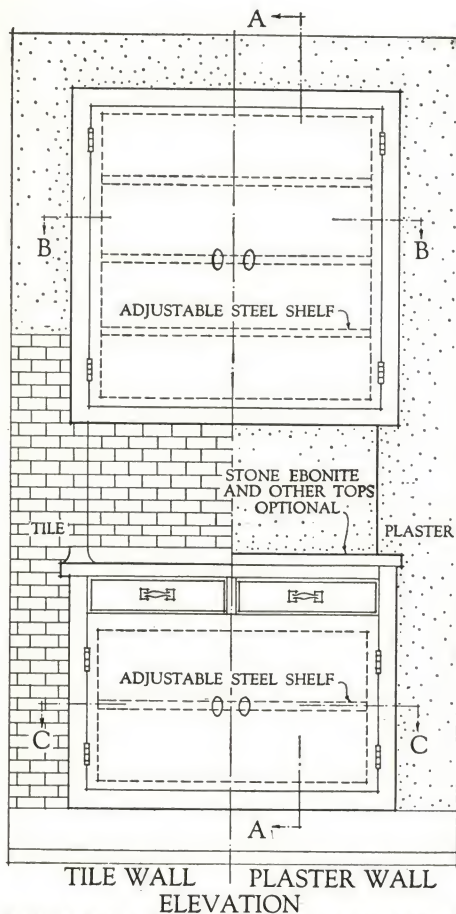
SCALE
1 1/2" = 3'
1 FT.

ART METAL



HOSPITAL CABINETS

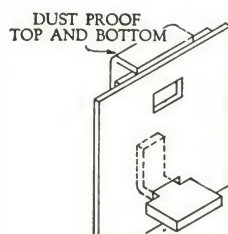
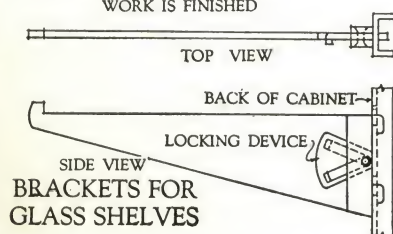
PLATE
1



BUILT IN CABINET BUCKS ARE BUILT INTO THE WALL CONSTRUCTION THE CABINETS PROPER ARE SET INTO THESE BUCKS AFTER ALL OTHER INTERIOR WORK IS FINISHED

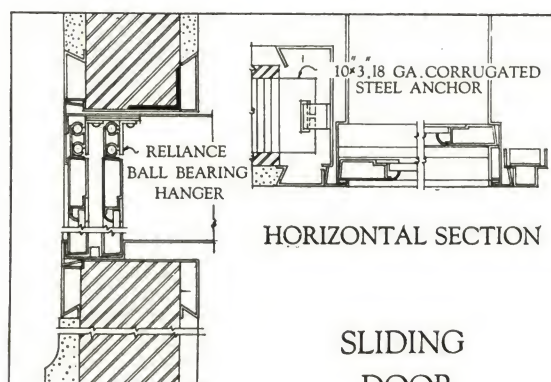
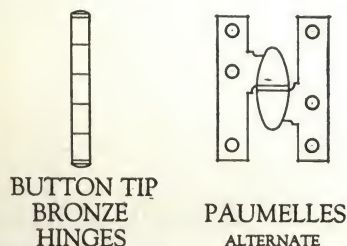
BUILT-IN CABINETS

PROJECTING CABINET



ADJUSTABLE SUPPORT FOR STEEL SHELVES

HARDWARE USED WITH CABINETS



VERTICAL SECTION

SLIDING DOOR CASES

FLUSH TYPE AND FREE STANDING HOSPITAL EQUIPMENT

Drying Racks
Supply Cabinets
Illuminating and Viewing Cabinets
Utensil Cabinets and Racks
Special Gown Cabinets
Toy Cabinets
Steam Dryers
Suction and Pressure Gauge Cabinets
Solution Warming Cabinets

Instrument Cabinets
Titration Tables
Bed Pan Racks
Dressers
Rubber Sheet Cabinets
Shelving
Towel Warmers
Blanket Warmers
Drying Racks and Cabinets

X-Ray Viewing Cabinets
Fire Extinguisher Cabinets
Narcotic Cases
Ether Cabinets
Medicine Cases
Kitchen Equipments, including:
Monel Metal Sinks
Drain Boards
Cabinets



MEDICAL SUPPLIES STORAGE CASE



MEDICAL CASE IN TYPICAL SERVICE ROOM



TYPICAL CORRIDOR ENCLOSURE

JOHNS HOPKINS HOSPITAL, BALTIMORE, MD.

Joseph Evans Sperry, Architect

RECENT ART METAL HOSPITAL INSTALLATIONS

INSTALLATION

Allentown Hospital, Allentown, Pa.
Babies' Dispensary and Hospital, Western Reserve University, Cleveland, Ohio
Battle Creek Sanitarium, Battle Creek, Mich.
Bryn Mawr Hospital, Bryn Mawr, Pa.
Boston City Hospital, Boston, Mass.
Bucyrus City Hospital, Bucyrus, Ohio
Charlotte-Hungerford Hospital, Torrington, Conn.
Children's Hospital, Neurological Unit, Boston, Mass.
Cleveland Clinic Hospital, Cleveland, Ohio
Coney Island Hospital, Brooklyn, N. Y.
Henry Ford Hospital, Detroit, Mich.
Hahnemann Hospital, Philadelphia, Pa.
Hillman Hospital, Birmingham, Ala.
Holy Name of Jesus Hospital, Gadsden, Ala.
Johns Hopkins Medical and Surgical Clinics, Johns Hopkins University, Baltimore, Md.
Kings County Hospital, Brooklyn, N. Y.
Maine General Hospital, Portland, Me.
Mercy Hospital, Davenport, Iowa
Mount Sinai Hospital, New York, N. Y.
New York Hospital, New York, N. Y.
Philadelphia General Hospital, Philadelphia, Pa.
Presbyterian Hospital, Philadelphia, Pa.
Queens General Hospital, New York, N. Y.
Roosevelt Memorial Hospital, New York, N. Y.
Sacred Heart Hospital, Allentown, Pa.
Sheboygan Memorial Hospital, Sheboygan, Wis.
Springfield City Hospital, Springfield, Ohio
St. Luke's Hospital, Newburg, N. Y.
State Hospital, Morris Plains, N. J.
State Hospital for Insane, Trenton, N. J.
Whidden Memorial Hospital, Everett, Mass.

ART METAL

Hospital Equipment

Hospital Equipment
Hospital Equipment
Hollow Metal
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H. M. and Hospital Equipment
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and Hollow Metal
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Hollow Metal

Hospital Equipment
Hospital Equipment
Hospital Equipment
Hospital Equipment
Hollow Metal
Partitions
Hospital Equipment

ARCHITECTS

Ruhe & Lang, Architects

Abram Garfield
M. J. Morehouse, Chicago, Ill.
Zanzinger, Borie & Medary
Ritchie, Parsons & Taylor
Thomas D. McLaughlin
Crow, Lewis & Wick, New York, N. Y.
Coolidge, Shepley, Bulfinch & Abbott
Ellerbe & Co.
George M. McCabe, New York, N. Y.
Albert Kahn, Inc.
Pettit & Ferris, and H. Hall Marshall
Berlin & Swern
Schmidt, Garden & Erikson

Joseph Evans Sperry
Le Roy P. Ward
Coolidge, Shepley, Bulfinch & Abbott
Schmidt, Garden & Erikson

Coolidge, Shepley, Bulfinch & Abbott

Philip H. Johnson
Irwin & Leighton
Sullivan W. Jones and J. E. Kleist
John Russell Pope
Jacoby & Everett
Schmidt, Garden & Erikson
Eastman & Budke, and M. W. Lethly
Crow, Lewis & Wick, New York, N. Y.
Alan B. Mills, State Engineer
State Engineer
Kendall, Taylor Co.



STEEL and BRONZE INTERIOR EQUIPMENT

FOR

**BANKS
LIBRARIES
PUBLIC BUILDINGS
HOSPITALS**

Hollow Metal Doors

Elevator Enclosures and Cabs

Partitions

Ornamental Bronze

Counters and Cages

Bookstacks and Shelves

Museum Cases

Library Accessories

Bulletin Boards

Hospital Case Work



ART METAL CONSTRUCTION COMPANY

JAMESTOWN, N. Y., U. S. A. and LONDON, ENGLAND